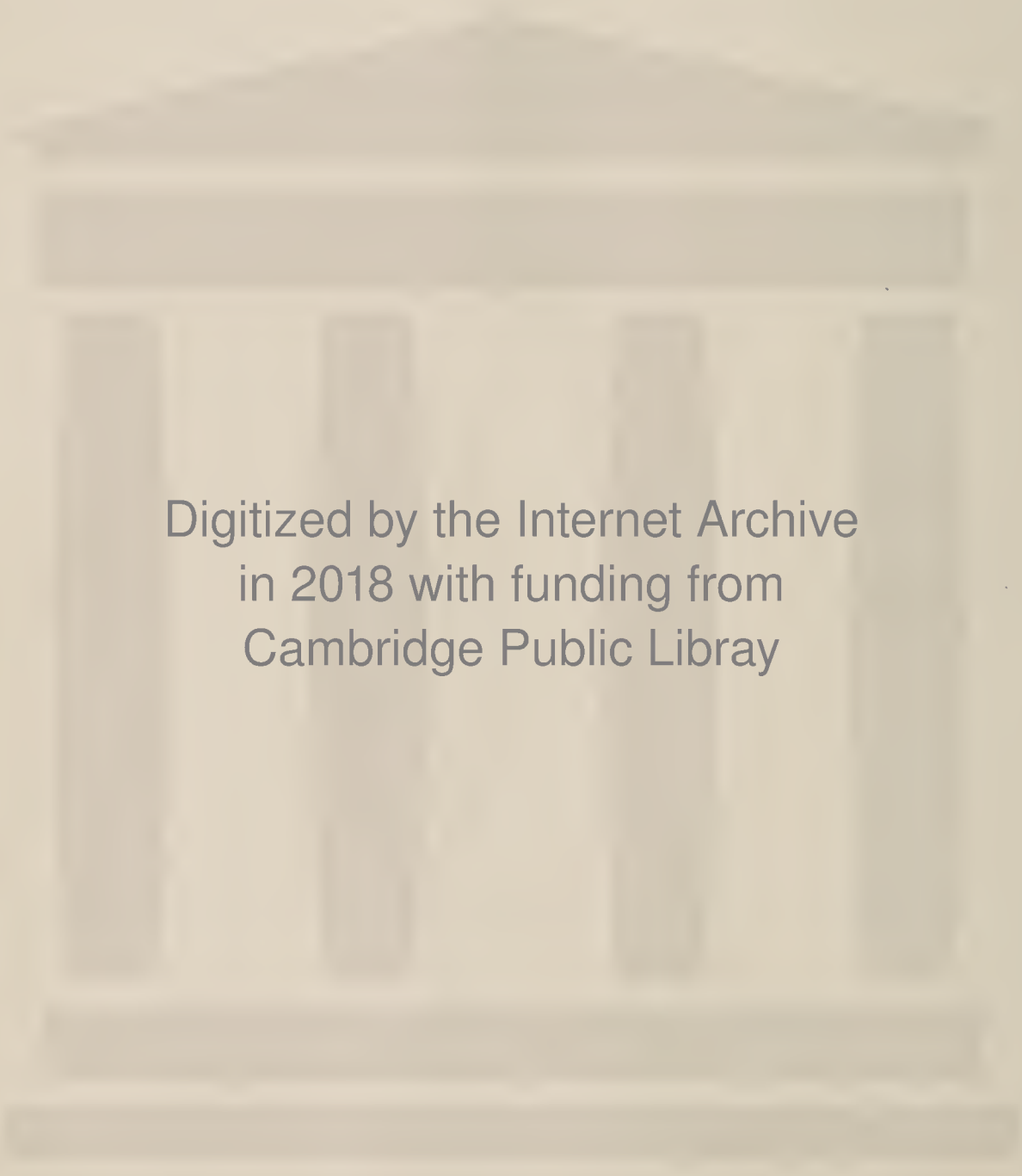




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HON. RICHARD M. RUSSELL
Mayor of Cambridge, Massachusetts

CITY OF CAMBRIDGE

MASSACHUSETTS

THE ANNUAL REPORTS

Made to the City Council for the Year
Ending December 31, 1931



PUBLISHED BY ORDER OF THE CITY COUNCIL
UNDER THE DIRECTION OF THE CITY CLERK

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MAYORS OF THE CITY OF CAMBRIDGE

(From 1846 to 1931 inclusive)

James D. Green	May,	1846, to April,	1848
Sydney Willard	April,	1848, to April,	1851
George Stevens	April,	1851, to April,	1853
James D. Green	April,	1853, to April,	1854
*Abraham Edwards	April,	1854, to January,	1855
Zebina L. Raymond	January,	1855, to January,	1856
John Sargent	January,	1856, to January,	1860
†James D. Green	January,	1860, to July 24,	1861
§Charles Theodore Russell	July 31,	1861, to January,	1863
George C. Richardson	January,	1863, to January,	1864
Zebina L. Raymond	January,	1864, to January,	1865
J. Warren Merrill	January,	1865, to January,	1867
Ezra Parmenter	January,	1867, to January,	1868
Charles H. Saunders	January,	1868, to January,	1870
Hamlin R. Harding	January,	1870, to January,	1872
Henry O. Houghton	January,	1872, to January,	1873
Isaac Bradford	January,	1873, to January,	1877
Frank A. Allen	January,	1877, to January,	1878
Samuel L. Montague	January,	1878, to January,	1880
James M. W. Hall	January,	1880, to January,	1881
James A. Fox	January,	1881, to January,	1885
William E. Russell	January,	1885, to January,	1889
Henry H. Gilmore	January,	1889, to January,	1891
Alpheus B. Alger	January,	1891, to January,	1893
William A. Bancroft	January,	1893, to January,	1897
Alvin F. Sortwell	January,	1897, to January,	1899
Edgar R. Champlin	January,	1899, to January,	1901
David T. Dickinson	January,	1901, to January,	1902
John H. H. McNamee	January,	1902, to January,	1904
Augustine J. Daly	January,	1904, to January,	1906
Charles H. Thurston	January,	1906, to January,	1907
Walter C. Wardwell	January,	1907, to April,	1909
William F. Brooks	April,	1909, to April,	1911
J. Edward Barry	April,	1911, to April,	1914
Timothy W. Good	April,	1914, to Dec.	1915
Wendell D. Rockwood	January,	1916, to January,	1918
Edward W. Quinn	January,	1918, to January,	1930
Richard M. Russell	January,	1930, to	

* Municipal year changed.

† Resigned.

§ First elected by the City Council.

PRESIDENTS OF THE BOARD OF ALDERMEN

1888	*Edward W. Hincks	1903	†John W. Coveney
1889	*John H. Corcoran	1903	Timothy W. Good
1890	*Alvin F. Sortwell	1904	†John W. Coveney
1891	*William A. Bancroft	1905	J. Edward Barry
1892	*William A. Bancroft	1906	*Charles H. Lake
1893	John F. Fairbairn	1907	*Charles H. Lake
1894	*John G. Thorogood	1908	Edward B. James
1895	John F. Fairbairn	1909	Edward B. James
1896	John F. Fairbairn	1910	Edward B. James
1897	Russell Bradford	1911	James T. Barrett
1898	Russell Bradford	1912	James T. Barrett
1899	Walter C. Wardwell	1913	Peter J. Nelligan
1900	Walter C. Wardwell	1914	Peter J. Nelligan
1901	George E. Saunders	1915	Peter J. Nelligan
1902	James F. Aylward		

*Deceased.

† John W. Coveney resigned March 10, 1903, and Timothy W. Good elected to the vacancy.

PRESIDENTS OF THE CITY COUNCIL

1916	*Edward J. Dunphy	1925	*John J. McCarthy
1917	*Edward J. Dunphy	1926	*John J. McCarthy
1918	*Dr. John P. Good	1926	Timothy F. Murphy
1919	James T. Barrett	1927	Timothy F. Murphy
1920	James T. Barrett	1928	Timothy F. Murphy
1921	James T. Barrett	1929	Timothy F. Murphy
1922	James T. Barrett	1930	Joseph M. Stokes
1923	James T. Barrett	1931	Jeremiah J. O'Connor
1924	James T. Barrett		

*Deceased.

PRESIDENTS OF THE COMMON COUNCIL

1846 *Isaac Livermore	1873 *Alvaro Blodgett
1847 *John Sargent	Resigned June 17
1848 *John C. Dodge	1873 *Francis H. Whitman
1849 *Samuel P. Heywood	Elected June 17
1850 *Samuel P. Heywood	1874 *George F. Piper
1851 *John S. Ladd	1875 *George F. Piper
1852 *John Sargent	1876 *Frank A. Allen
1853 *John Sargent	1877 *Perez G. Porter
1854 *John C. Dodge	1878 *George S. Saunders
1855 *Alanson Bigelow	1879 *George S. Saunders
1856 *Ezra Ripley. Resigned	1880 *Charles Walker
January 31	1881 *Charles Walker
1856 *George S. Saunders	1882 *George H. Howard
Elected January 31	1883 *George H. Howard
1857 *George S. Saunders	1884 *George H. Howard
1858 *James C. Fisk	1885 *Cornelius G. H. Bennink
1859 *James C. Fisk	1886 John H. Corcoran
1860 *Hamlin R. Harding	1887 John H. Corcoran
1861 *Hamlin R. Harding	1888 *Alvin F. Sortwell
1862 *Jared Shepard	1889 *Edward A. Bingham
Resigned September 17	1890 *Edward A. Bingham
1862 *Knowlton S. Chaffee	1891 *Edward C. Wheeler
Elected September 24	1892 Herbert A. Chase
1863 *George S. Saunders	1893 J. Henry Russell
1864 *George S. Saunders	1894 Charles M. Conant
1865 *John S. March	1895 *John L. Odiorne
1866 *John S. March	1896 *John L. Odiorne
1867 *Marshall T. Bigelow	1897 *Albert S. Apsey
1868 *Knowlton S. Chaffee	1898 George S. Saunders
Resigned February 4	1899 *William F. Brooks
1868 *Henry W. Muzzey	1900 John D. Merrill
Elected February 4	1901 John D. Merrill
1869 *Henry W. Muzzey	1902 *Thorndike Spalding
1870 *Joseph H. Converse	1903 Edward E. Clark
1871 *Joseph H. Converse	1904 *Harry N. Stearns
1872 *Alvaro Blodgett	1905 George A. Giles

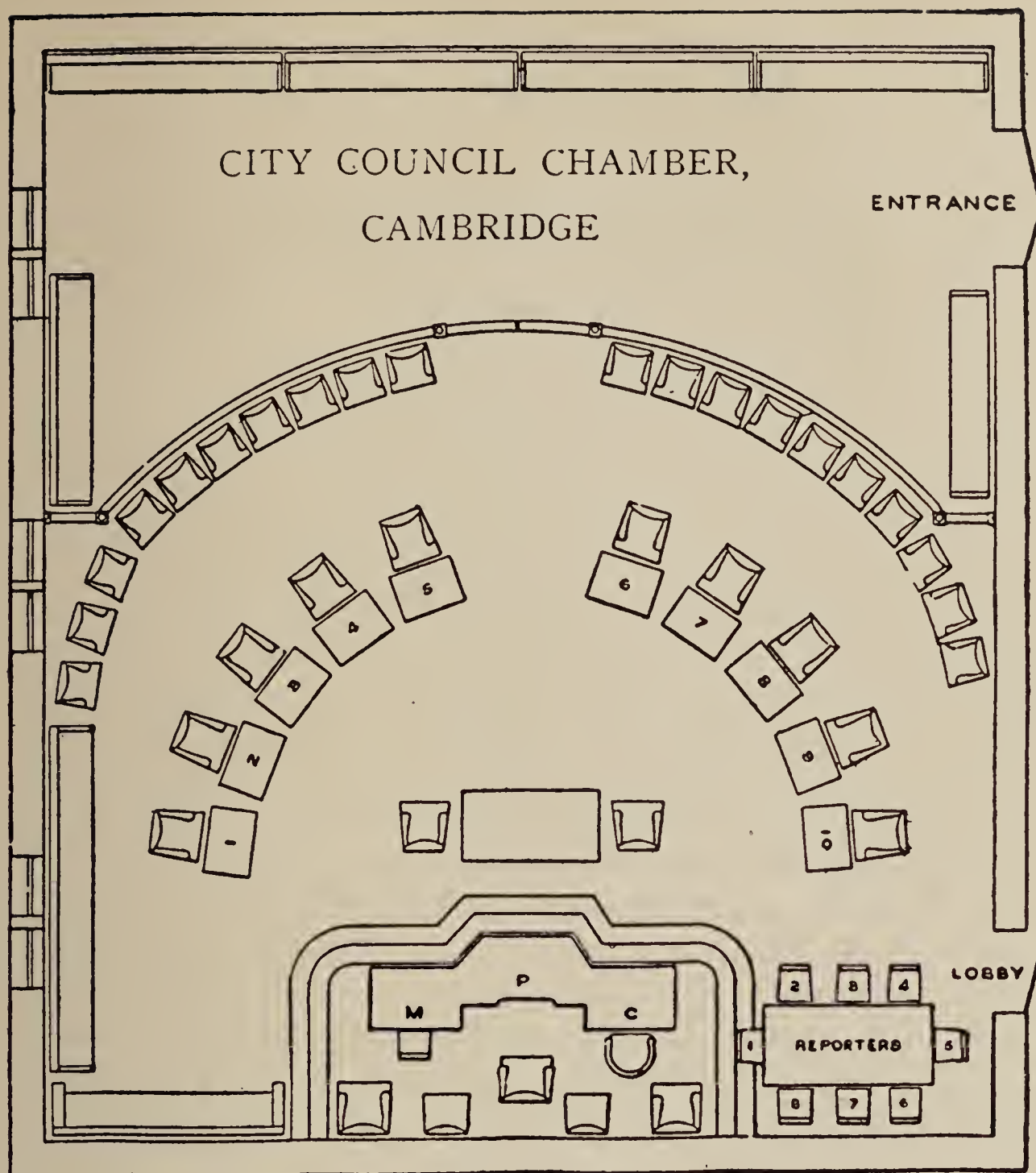
1906	George A. Giles	1911	Frederick H. Burke
1907	*Henry C. Stetson	1912	Timothy J. Horan
1907	*†Robert W. Hunter	1913	*John H. Lynch
1908	Henry J. Winslow	1914	Frank J. Lehan
1909	Jesse W. Moreland	1915	Arthur S. Browne
1910	Irving N. Linnell		

* Deceased.

† Elected to fill vacancy.

LEGAL HOLIDAYS

New Year's Day, January 1. Washington's Birthday, February 22. Patriot's Day, April 19. Memorial Day, May 30. Independence Day, July 4. Labor Day, September 7. Columbus Day, October 12. Armistice Day, November 11. Thanksgiving Day, November 26. Christmas Day, December 25.



KEY TO CITY COUNCIL CHAMBER Cambridge, 1931

P.—JEREMIAH J. O'CONNOR, President

- | | |
|-----------------------|----------------------------|
| 1. Councillor Delaney | 8. Councillor D. J. Murphy |
| 2. Councillor Gibson | 9. Councillor T. F. Murphy |
| 3. Councillor Stokes | 10. Councillor Hughes |
| 4. Councillor Shea | 11. Councillor Mohr |
| 5. Councillor Leahy | 12. Councillor Wyeth |
| 6. Councillor Crowley | 13. Councillor Cazmay |
| 7. Councillor Sennott | 14. Councillor Coady |

Reporters

- | | |
|---|--------------------------------------|
| 1. James W. Bean, Cambridge Chronicle | 5. L. D. Fuller, Cambridge Sun |
| 2. John J. McGillicuddy, Cambridge Sentinel | 6. Stanley W. Howard, Boston Globe |
| 3. James H. Murphy, Cambridge Recorder | 7. William A. Callahan, Boston Globe |
| 4. Eliza L. Carleton, Cambridge Tribune | 8. Roger W. Remington, Boston Post |
| | 9. George W. Murphy, Boston Herald |

CITY GOVERNMENT

Mayor

RICHARD M. RUSSELL
16 Highland Street

Councillors

JEREMIAH J. O'CONNOR, *President*

N. Russell Cazmay, 8 Plympton Street.....	Ward 7
Francis D. Coady, 64 Willow Street	Ward 1
Joseph L. Crowley, 175 Larch Road.....	Ward 9
Patrick J. Delaney, 42 Amory Street.....	Ward 3
Thomas F. Gibson, 24 Walden Street	Ward 10
Edward A. Hughes, 119 Brookline Street	Ward 5
Daniel P. Leahy, 5 Rindgefield Street.....	At Large
Harry C. Mohr, 6 Centre Street.....	Ward 4
Daniel J. Murphy, 167 Windsor Street.....	Ward 2
Timothy F. Murphy, 4A Mt. Auburn Street.....	Ward 6
Jeremiah J. O'Connor, 18 Bellevue Avenue.....	Ward 11
Edward J. Sennott, 366 Broadway.....	At Large
Charles H. Shea, 20 McCarthy Road	At Large
Joseph M. Stokes, 83 Grozier Road.....	At Large
Benjamin F. Wyeth, 12 Hawthorn Street.....	Ward 8

OFFICERS OF THE CITY COUNCIL

City Clerk

FREDERICK H. BURKE

Clerk of Committees

DANIEL J. TOOMEY

City Messenger

A. FRANK MONTGOMERY

Regular meetings on Tuesday evenings, at eight (8) o'clock

DEPARTMENTS AND BOARDS

City Hall Telephone, University 6800

EXECUTIVE DEPARTMENT

RICHARD M. RUSSELL, *Mayor*

EDWARD A. COUNIHAN, *Mayor's Clerk*

LOUISE M. KELLEY, *Mayor's Secretary*

Office Hours: 8 a.m. to 4 p.m.

Office, Rooms 17 and 18, City Hall

CITY CLERK DEPARTMENT

FREDERICK H. BURKE, *City Clerk*

THOMAS J. CONRICK, *Assistant City Clerk*

Office Hours: 8 a.m. to 4 p.m.

Office, Rooms 8 and 9, City Hall

TREASURY DEPARTMENT

WILLIAM J. SHEA, *City Treasurer and Collector of Taxes*

Office Hours: 8 a.m. to 2 p.m.

Office, Rooms 3 and 4, City Hall

AUDITING DEPARTMENT

JOHN J. MCKENZIE, *City Auditor*

Office Hours: 8 a.m. to 4 p.m.

Office, Rooms 1 and 2, City Hall

CLERK OF COMMITTEES DEPARTMENT

DANIEL J. TOOMEY, *Clerk of Committees*

ALBERT T. DOYLE, *Assistant*

Office Hours: 8 a.m. to 4 p.m.

Office, Room 16, City Hall

CITY MESSENGER DEPARTMENT

A. FRANK MONTGOMERY, *City Messenger*HENRY P. CONROY, *Assistant*

Office Hours: 8 a.m. to 4 p.m.

Office, Room 20, City Hall

LAW DEPARTMENT

THOMAS F. SULLIVAN, *City Solicitor*CHARLES F. GADSBY, *Law Clerk*

Office Hours (at City Hall): 8 a.m. to 12 m.

Office, Room 17, City Hall

Cambridge Office, Harvard Square

Telephones, University 1595 and 9218

ENGINEERING DEPARTMENT

LEWIS M. HASTINGS, *City Engineer*G. FRANK HOOKER, *Deputy City Engineer*THOMAS P. O'NEILL, *Superintendent of Sewers*

Office Hours: 8 a.m. to 4 p.m.

Office, Rooms 30 and 31, City Hall

BUILDING DEPARTMENT

JOHN J. TERRY, *Superintendent of Public Buildings and
Inspector of Buildings*JAMES E. CURRY, *Zoning Consultant and Counter Clerk**Building Inspector*, C. EDWIN O'BRIENWILLIAM A. FORD, *Inspector of Plumbing*WILLIAM J. STANGER, *Inspector of Gas Fitting*DANIEL F. OWENS, *Inspector of Elevators*

Office Hours: 8 a.m. to 4 p.m.

Office, Room 28, City Hall

STREET DEPARTMENT

WILLIAM R. McMENIMEN, *Superintendent of Streets*JOHN H. HOLT, *Clerk*

Office Hours: 8 a.m. to 4 p.m.

Office, Room 12, City Hall

HEALTH DEPARTMENT

Board of Health

JOSEPH M. WADDEN, M.D., <i>Chairman</i>	Term, three years
JOSEPH M. WADDEN, M.D.	Term expires 1931
ELIE H. LA PIERRE	Term expires 1932
DAVID T. NELLIGAN	Term expires 1933

Medical Inspector and Superintendent of Tuberculosis Hospital

SIMON B. KELLEHER, M.D.

JOHN D. CROWLEY, *Clerk**Bacteriologist and Inspector of Milk and Vinegar*

ROBERT E. BEMIS, Ph.C.

JOSEPH L. JOHNSON, *Inspector of Provisions*

Office Hours: 8 a.m. to 4 p.m.
Rooms 25, 26 and 27, City Hall

POLICE DEPARTMENT

JOHN J. McBRIDE, *Chief*

Telephone, University 9800

FIRE DEPARTMENT

JAMES M. CASEY

Telephone, University 0109

ASSESSORS' DEPARTMENT

JOHN C. HAVERTY, *Secretary* BERNARD F. FALLON, *Chairman*
Term, four years

BERNARD F. FALLON	Term expires 1931
JOHN C. HAVERTY	Term expires 1931
JAMES J. CASEY	Term expires 1933

CARRIE A. ESTES, RUTH E. MCGUIGAN, LORETTA F. CROWE
MARGARET SHEA, *Clerks*

Office Hours: 8 a.m. to 4 p.m.
Office, Rooms 21 and 22, City Hall

CITY ELECTRICAL DEPARTMENT

TIMOTHY C. O'HEARN, *City Electrician*
JAMES H. McALLISTER, *Assistant City Electrician*

Office Hours: 8 a.m. to 4 p.m.
Office, Central Fire Alarm, Inman Square Building
Telephone University 125

INSPECTOR OF ANIMALS DEPARTMENT

DAVID L. BOLGER, M.D.V., *Inspector of Animals*
Residence, 159 Mt. Auburn Street Telephone University 3550
(No Office or Hours)

BRIDGE DEPARTMENT

WILLIAM R. McMENIMEN, *Bridge Commissioner*

Office Hours: 8 a.m. to 4 p.m.
Office, Room 12, City Hall

SEALER OF WEIGHTS AND MEASURES DEPARTMENT

FELIX C. McBRIDE, *Sealer*
JOSEPH M.O'NEIL, *First Deputy Sealer and Inspector*
JAMES J. LYNCH and EDWARD W. BARKER, *Deputy Sealers*

Office Hours: Fridays, 8 a.m. to 4 p.m.
Saturdays, 8 a.m. to 12 m.

Office, Brattle Square Building Telephone University 9483-W

CITY PHYSICIAN

WILLIAM G. BROUSSEAU

Residence, 2343 Massachusetts Avenue Telephone Porter 1285
Office, Central Square Building
Office Hours: Daily, 9 to 11 a.m.
Telephone University 9850-51

FENCE VIEWERS

LEWIS M. HASTINGS, City Hall

JOHN J. TERRY, City Hall

CAMBRIDGE PLANNING BOARD

JEREMIAH F. DOWNEY, *Chairman*

JOHN H. CORCORAN	Term expires 1932
JEREMIAH F. DOWNEY	Term expires 1933
GEORGE L. DOW	Term expires 1934
CHARLES W. KILLAM	Term expires 1935
MELVILLE FULLER WESTON	Term expires 1936

SCHOOL COMMITTEE

Mayor RICHARD M. RUSSELL, *Chairman*RAYMOND A. FITZGERALD, *Vice-Chairman*

CHARLES F. HURLEY, 57 Fresh Pond Lane	Term expires 1931
EDMUND J. MCGREENERY, 164 Brattle Street	Term expires 1931
RUSSELL A. WOOD, 9 Whittier Street	Term expires 1931
MRS. JESSIE W. BROOKS, 10 Linnaean Street	Term expires 1933
RAYMOND A. FITZGERALD, 1 Leonard Avenue	Term expires 1933
JOHN D. LYNCH, 20 Fairfield Street	Term expires 1933

HELEN R. BROSDAHAN, *Secretary**Business Agent*

CONSTANTINE J. CHURCH

Superintendent of Schools

MICHAEL E. FITZGERALD

Assistant Superintendent and Director of Continuation School

JAMES DUGAN

Superintendent of School Buildings and Grounds

JOHN J. ROACH

Office Hours: 8 a.m. to 4 p.m.

Office, Rooms 15 and 24, City Hall

CITY HOSPITAL DEPARTMENT

*Trustees of Cambridge City Hospital*CHARLES S. CAHILL, *Chairman*

FRANK F. ROGERS	Term expires 1930
JOHN J. QUINLAN	Term expires 1931
CHARLES S. CAHILL	Term expires 1932
JOHN H. HURLEY	Term expires 1933

CEMETERY DEPARTMENT

*Cemetery Commissioners*MRS. AGNES FAY, *Chairman*

Term, Three Years

LORETTO ABITABILE	Term expires 1930
JEREMIAH J. SULLIVAN	Term expires 1931
MRS. AGNES FAY	Term expires 1932
CHARLES E. GORDON	Term expires 1932
DR. CORNELIUS T. O'CONNOR	Term expires 1933
LAWRENCE F. O'CONNOR	Term expires 1934

Clerk of the Board

EDWARD F. SULLIVAN

Office, Room 23, City Hall

Superintendent of the Cemetery

THOMAS J. CAVANAGH

Clerk of the Cemetery

GREGORY L. GALLAGHER

Office Hours: at Cemetery, 8 a.m. to 5 p.m.

Office at Cemetery on Coolidge Avenue

Telephone University 5

*Person to cause to be Properly Interred the Bodies of Soldiers
and Sailors*

EDWARD F. SULLIVAN

Office, Room 23, City Hall

PUBLIC LIBRARY DEPARTMENT

*Trustees of Cambridge Public Library*THOMAS F. O'MALLEY, *President*

For One Year

CHARLES F. HURLEY of the School Committee

Citizens at Large, Terms, Three Years

ROBERT W. YOUNG	Term expires 1930
EDWARD P. COLLIER	Term expires 1930
THOMAS F. O'MALLEY	Term expires 1931
RICHARD J. COSTELLO, M.D.	Term expires 1932
JULIA T. BOYLE	Term expires 1932
HENRY J. MAHONEY	Term expires 1934

JULIA T. BOYLE, *Secretary* ROBERT W. YOUNG, *Treasurer*
 THOMAS J. SULLIVAN, *Librarian*

Library open: 9 a.m. to 9 p.m. Reading Room: 9 a.m. to 9 p.m.
 Sunday, 2 to 9 p.m.

Office at Library Building, Broadway, Irving and
 Trowbridge Streets

Telephone University 610

WATER WORKS DEPARTMENT

*Cambridge Water Board*MARTIN A. FEELEY, *President*

Term, Five Years

HENRY L. SKELLEY	Term expires 1931
HOWARD M. TURNER	Term expires 1932
MARTIN A. FEELEY	Term expires 1933
GEORGE F. MCINNIS	Term expires 1934
JAMES J. SCULLY	Term expires 1935

TIMOTHY W. GOOD, *Superintendent of Water Works*HARRY L. LINCOLN, *Chief Clerk*

Office Hours: 8 a.m. to 4 p.m.
 Office, Rooms 5 and 6, City Hall

ELECTION COMMISSION

J. EDWARD BARRY, *Chairman*

Term, Four Years

JAMES H. KELLÉHER	Term expires 1932
HARRY A. PENNIMAN	Term expires 1933
J. EDWARD BARRY	Term expires 1934
CLARENCE P. KIDDER	Term expires 1935

HARRY A. PENNIMAN, *Secretary*

Office at Central Square Building

Telephone University 10727

PARK DEPARTMENT

*Park Commissioners*JEREMIAH J. COUGHLAN, *Chairman*

Term, Five Years

SAMUEL W. PILL	Term expires 1930
WAYLAND M. MINOT	Term expires 1930
JOHN B. DORE	Term expires 1931
CARROLL W. DOTEN	Term expires 1932
LEO BREAU	Term expires 1932
MICHAEL SCANNELL	Term expires 1933
MRS. JESSIE W. BROOKS	Term expires 1934
JEREMIAH J. COUGHLAN	Term expires 1934
MRS. HELEN C. ALMY	Term expires 1936

JOHN F. DONNELLY, *General Superintendent*STEPHEN H. MAHONEY, *Superintendent of Recreation*ROSE E. MANNING, *Secretary*

Office Hours: 8 a.m. to 4 p.m.

Office, Room 11, City Hall

SINKING FUND DEPARTMENT

*Commissioners of the Sinking Fund*ROBERT W. KNOWLES, *Chairman*

Term, Three Years

WILLIAM H. REARDON, JR.	Term expires 1932
ROBERT W. KNOWLES	Term expires 1932
GUSTAVUS GOEPFER	Term expires 1933
HENRY BARTLETT	Term expires 1934
DANIEL CRONIN	Term expires 1934
WILLIAM J. HOPKINS, <i>Secretary</i>	WILLIAM J. SHEA, <i>Treasurer</i>

BOARD OF PUBLIC WELFARE

EDWARD W. TOOMEY, *Chairman*

Term, Five Years

BERNARD B. WELCH	Term expires 1932
EDWARD W. TOOMEY	Term expires 1932
ELIZABETH A. CHAMBERS	Term expires 1933
MRS. CORINNE CONLON	Term expires 1934
LEOPOLD BARTEL	Term expires 1936

JAMES E. FINNEGAN, *Secretary*JOHN T. SHEA, *Superintendent of Home for Aged and Infirm*

Office Hours, at Central Square Building, 8 a.m. to 4 p.m.

Telephones: City Home, Porter 5370. Office, University 9850-51

BOARD OF APPEAL

CLARENCE H. BLACKALL, *Chairman*

Term, Three Years

CLARENCE H. BLACKALL (Architect)	Term expires 1929
GEORGE A. McLAUGHLIN (Attorney)	Term expires 1930

BOARD OF LICENSE COMMISSIONERS

JOHN E. QUINN, *Chairman*

Term Expires 1931

JAMES M. CASEY, *Chief of the Fire Department*JOHN J. McBRIDE, *Chief of the Police Department*

POLE AND CONDUIT COMMISSION

JOHN E. QUINN, *Chairman*WILLIAM R. McMENIMEN, *Superintendent of Streets*TIMOTHY C. O'HEARN, *City Electrician*

AGENT MUNICIPAL EMPLOYMENT OFFICE

MATTHEW E. SHAUGHNESSY

CITY MISSIONARY

JOHN F. CAWLEY

AGENT FOR COMMITTEE ON SOLDIERS' AID

EDWARD F. SULLIVAN

WILLIAM F. BOYLE, TIMOTHY J. SULLIVAN, *Investigators*

Office Hours: 8 a.m. to 4 p.m.

Office, Room 23, City Hall

TRUSTEES OF THE DOWSE INSTITUTE

FRANCIS G. PEABODY, *President*RICHARD M. RUSSELL, *Mayor, ex officio*JEREMIAH J. O'CONNOR, *President of City Council, ex officio*

GEORGE HOWLAND COX

JOSEPH H. BEALE, JR.

FRANCIS G. PEABODY

JOSEPH H. BEALE, JR., *Secretary and Treasurer*

TRUSTEES OF THE SANDERS TEMPERANCE FUND

RICHARD M. RUSSELL, *Mayor*JEREMIAH J. O'CONNOR, *President of City Council*FREDERICK H. BURKE, *City Clerk**Ex Officiis*

TRUSTEES OF THE BRIDGE CHARITABLE FUND

RICHARD M. RUSSELL, *Mayor*

JEREMIAH J. O'CONNOR, *President of City Council*

EDWARD W. TOOMEY, *Chairman of Board of Public Welfare*
Ex Officiis

CIVIL SERVICE — LABOR DIVISION

HARRY L. LINCOLN, *Registration Clerk*

Office Hour: 4 p.m. daily
Except Saturday

STANDING COMMITTEES — CITY COUNCIL
YEAR 1931

Americanization and Education. Councillors T. F. Murphy, D. J. Murphy, Leahy, Wyeth and Mohr.

Bonds. Councillors Coady, Wyeth and Shea.

City Engineering. Councillors Gibson, Stokes and Coady.

City Planning. Councillors Stokes, Mohr, Cazmay, Shea and Coady.

Claims. Councillors Hughes, Sennott, Crowley, Coady and D. J. Murphy.

Elections and Printing. Councillors T. F. Murphy, Gibson, Delaney, Sennott and Leahy.

Finance. President O'Connor, Councillors Delaney, Sennott, Stokes, Cazmay, Shea, Mohr, Coady, Crowley, Gibson, Hughes, Leahy, D. J. Murphy, T. F. Murphy and Wyeth.

Health. Councillors Mohr, T. F. Murphy and Gibson.

Industrial Development. Councillors Stokes, Mohr, Shea, Sennott and Hughes.

Legislative Matters. Councillors Mohr, Stokes, Wyeth, Crowley and Cazmay.

Licenses. Councillors Delaney, Hughes, Coady, Leahy and T. F. Murphy.

Military Affairs. Councillors Wyeth, D. J. Murphy, Cazmay, T. F. Murphy and Stokes.

Ordinances. President O'Connor, Councillors Sennott, Cazmay, Delaney, Mohr, Shea, Wyeth, Stokes, T. F. Murphy, D. J. Murphy, Leahy, Hughes, Gibson, Crowley and Coady.

Parks and Cemeteries. Councillors Cazmay, Crowley, Wyeth, Shea and Gibson.

Public Celebrations. Councillors D. J. Murphy, Crowley, Cazmay, Hughes, Mohr, Gibson and Coady.

Public Property and Public Institutions. Councillors Sennott, Crowley, Stokes, D. J. Murphy and Shea.

Public Safety. Councillors Shea, Mohr, Sennott, Gibson and Cazmay.

Public Service. Councillors Sennott, Cazmay, Shea, Hughes and Leahy.

Roads and Bridges. Councillors Stokes, Sennott, Coady, Crowley, D. J. Murphy, Gibson and Hughes.

Rules and Orders. Councillors Shea, Wyeth, Leahy, Crowley and Sennott.

Soldiers' Aid. Councillors D. J. Murphy, Stokes, Sennott, Coady and Delaney.

Water Supply. Councillors Crowley, Sennott, Stokes, Cazmay and D. J. Murphy.

Wires and Lamps. Councillors Leahy, Hughes, Mohr, Gibson and D. J. Murphy.

ANNUAL REPORT OF THE CITY AUDITOR

Cambridge, Mass., December 31, 1931.

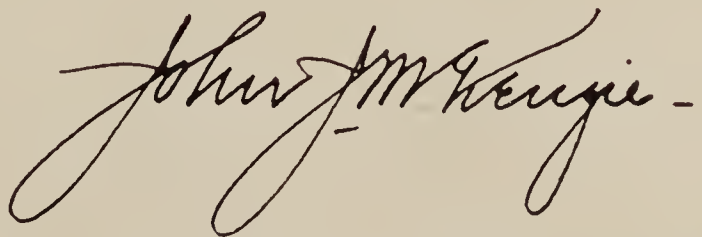
To the Honorable City Council:

I submit herewith a report for the financial year beginning April 1, 1931 and ending December 31, 1931. Under the provisions of Chapter 43, Legislative Acts of 1931, the financial year was changed to run with the calendar year beginning with January 1, 1932. Pursuant to Chapter 43 and Chapter 198, Legislative Acts of 1931, to compensate for departmental budget requirements of nine months, there was raised in the tax levy of 1931 the sum of \$1,500,000 for construction purposes and to meet a revenue deficit resulting from transactions of 1929 and prior years. This amount was appropriated as follows:

Street Construction.....	\$250,000 00
Building Construction:	
Bridge Department.....	\$847 22
Fire Department.....	21,500 00
School Department (Rindge).....	<u>66,700 00</u>
	89,047 22
Revenue Deficit.....	300,000 00
Reserved for Rindge School Construction.....	<u>860,952 78</u>
Total.....	\$1,500,000 00

Included in this report are detailed statements of receipts and expenditures; table showing the distribution of the "tax dollar" an analysis of the appropriation accounts and an analysis of the outstanding debt; statements of the borrowing capacity; tables showing the condition of the trust funds; the balance sheet and a list of city property.

Respectfully submitted,



City Auditor

CITY INCOME

Statement in detail of all Income, Taxes and Loans Received on Account of the
City of Cambridge during the Financial Year 1931

TAXES

Taxes:

Levy of 1927.....	\$268 59	
Levy of 1928.....	5,985 83	
Levy of 1929.....	24,361 17	
Levy of 1930.....	1,018,241 26	
Levy of 1931.....	4,734,967 26	
Motor Vehicle Excise Tax 1929.....	6,542 85	
Motor Vehicle Excise Tax 1930.....	16,852 89	
Motor Vehicle Excise Tax 1931.....	114,429 57	
Old Age Assistance Tax 1931.....	19,111 00	
		\$5,940,760 42

From Commonwealth:

Income Tax.....	455,490 55
Corporation Tax "B".....	355,812 19
Corporation Tax "P.S.".....	102,017 16
National Bank Tax.....	2,912 06
Trust Company Tax.....	24,567 47
Street Railway Tax.....	7,665 84

LICENSES AND PERMITS

Building.....	\$5,624 00
Electrical.....	3,122 00
Dance and entertainment.....	1,047 48
Elevator operator.....	106 00
Firearms (to carry).....	272 00
Gasoline swing arm.....	145 00
Guides.....	3 00
Marriage.....	1,126 00
Milk and pasteurizing.....	497 50
Oleomargarine licenses.....	60 00
Street sign.....	74 00
Golf.....	81 88

Licenses issued by the Health Department:

Barber shop.....	\$165 00
Beauty parlor and manicure.....	244 00
Beverages.....	90 00
Denatured alcohol.....	135 00
Ice cream manufacture.....	17 00
Vapor bath.....	5 00

656 00
Licenses issued, credited by book transfer
from Deposit Account:

Auctioneer.....	\$18 00
Badges.....	240 95
Barrel collector and stores.....	20 00
Billiard and pool.....	314 00
Bowling alley.....	162 00
Carriage and wagon.....	118 00
Common victualler.....	1,495 00
Drivers.....	123 50
Druggists.....	31 00
Firearms (to sell).....	2 00

Amount carried forward..... \$2,524 45 \$12,814 86 \$6,889,225 69

Amount brought forward \$2,524 45 \$12,814 86 \$6,889,225 69

LICENSES AND PERMITS — *Concluded*

Licenses issued (*concluded*)

Garage and gasoline.....	681 50
Intelligence office.....	45 00
Junk collector and stores.....	745 00
Letting motor vehicles.....	60 00
Lodging house.....	594 00
Lord's Day.....	1,805 00
Merry-go-round.....	1 00
Minor.....	14 75
Open air carnival.....	9 00
Open air parking.....	45 00
Pawn broker.....	100 00
Peddler.....	765 00
Slaughter house.....	2 00
Stands.....	78 00
Transient vendor.....	350 00
Used car dealer.....	1,050 00

\$8,849 70

State fees..... 525 00

13,339 86

COURT FINES

Middlesex County House of Correction.....	\$965 25
Third District Court.....	3,072 66

4,037 91

GRANTS AND GIFTS

From Commonwealth:

State-aided vocational classes.....	\$23,989 43
Gas tax for highway purposes.....	68,846 68

\$92,836 11

From Individuals:

Walter Dean Bequest for Children's Museum.....	\$501 39
Alice M. Kingman Bequest.....	1,700 00
John Kinnear Bequest.....	450 00
George Reed Fund.....	11 41
Smith Hughes Fund.....	2,380 74
Hopkins Fund.....	1,072 48

6,116 02

98,952 13

TAX TITLES

Redemption of Tax Titles.....

24,132 14

SPECIAL ASSESSMENTS

Sewer:

Unapportioned.....	\$926 12
Added to taxes of 1929.....	1,664 47
Added to taxes of 1930.....	2,053 81
Added to taxes of 1931.....	1,925 56

6,569 96

Amount carried forward..... \$7,036,257 69

Amount brought forward \$7,036,257 69

SPECIAL ASSESSMENTS — *Concluded*

Sidewalk:

Unapportioned	\$2,718 57
Added to taxes of 1929	60 43
Added to taxes of 1930	1,177 80
Added to taxes of 1931	1,233 52

5,190 32

Committed interest on sewer assessments	\$346 63
Committed interest on sidewalk assessments	188 87

535 50

TREASURER

For sales:

Advertising	\$993 40
Affidavit	16 50
Certificates of lien	204 00
Deed and description	132 00
Demands	2,358 35
Examination of title	116 00
Preparing and posting	462 00
Recording affidavit	33 00
Releases	86 00
Statutory fees	58 25
Miscellaneous	47 25

4,506 75

CITY CLERK

Business certificates	\$44 00
Cemetery deed	1 00
Certified copies	438 75
Chiropody certificates	50
Dog fees	253 80
Jitney licenses	1,600 00
Jitney operators' licenses	345 00
Married women's certificates	5 50
Mortgages	2,034 90
Miscellaneous licenses	2 00
Optometry	1 00
Physicians' certificates	2 00
Sporting licenses	155 50

4,883 95

BUILDING

Sale of:	
Miscellaneous	\$174 72
Ordinances	17 25
Rent of Land:	
Coffran's Pit	50 00
Portland Street	50 00

291 97

POLICE

Damage to lantern	\$1 00
Miscellaneous	149 32
Service of officers	5,790 00

5,940 32

Amount carried forward \$7,057,606 50

Amount brought forward \$7,057,606 50

SEALER OF WEIGHTS AND MEASURES

Sealing Fees 1,523 97

HEALTH

Care at Tuberculosis Hospital from:

Cities and towns	\$10,101 21	
Commonwealth	1,083 55	
Middlesex and Worcester Counties . .	2,140 70	
Sundry persons	826 21	
		\$14,151 67

Other contagious diseases from:

Cities and towns	\$1,971 14	
Commonwealth	277 50	
Sundry persons	592 50	
		2,841 14

Dental clinics	660 85	
		17,653 66

SEWER MAINTENANCE

For:

Labor and use of pump	\$201 89	
Materials	53 50	
Miscellaneous	93 51	
		348 90

HOUSE OFFAL

Sale of offal 11,909 00

STREET

For:

Damages	\$2 00	
Rent of track	300 00	
Repairing sidewalks	750 00	
Repairing streets	757 00	
Sale of material	995 50	
Use of roller	3 12	
Miscellaneous	3 00	
Driveways	1,955 88	
		4,766 50

CITY INFIRMARY

Board from sundry persons	\$1,819 05	
Sale of miscellaneous	11 13	
		1,830 18

OUTSIDE AID

Reimbursement from:

Cities and towns	\$3,674 84	
Commonwealth	1,425 88	
Miscellaneous	1 60	
Sundry persons	1,197 07	
Mothers' aid from cities and towns	1,211 18	
		7,510 57

MUNICIPAL HOSPITAL

Sundry persons	\$46,372 91	
Miscellaneous	10 85	
		46,383 76

Amount carried forward \$7,149,533 04

Amount brought forward \$7,149,533 04

SOLDIERS' BENEFITS

From Commonwealth:

Burial of indigent soldiers and sailors.	\$66 00
Military aid	1,834 50
Soldiers' relief	77 10
State aid	4,813 00

Reimbursement, sundry persons, uncollected, prior year	330 00
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7,120 60

SCHOOL

Chapter 70	\$129,892 00
Forfeited evening school deposits	649 00
Miscellaneous	970 08
Minors' licenses	107 25
Rent of halls	668 51
Sale of automobile	250 00
Sale of food at high school	18,631 92
Tuition of minor wards (City of Boston)	739 75
Tuition of non-resident pupils at:	
Continuation School	1,462 56
High and Latin	418 00
Rindge Evening Industrial	173 50
Rindge Technical	320 00
Summer School	25 00
Sales at State-Aided Schools (continuation)	119 61
Sight Saving Classes	1,000 00

155,427 18

LIBRARIES

Fines, rentals, etc.	1,213 06
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PUBLIC BATHS

Sale of soap and use of towels at:

Fletcher School	\$304 44
Haggerty School	86 83
Roberts School	455 88
Thorndike School	204 78

1,051 93

PARK

Forestry: Removal of trees	\$74 05
Miscellaneous	79 90
Rent of Russell Field	845 00

Use of towels at:

Russell E. Hoyt Shelter	\$550 55
Rindge Field	1,301 75
Corporal Burns Playground	373 50
Cambridge Field	519 45

2,745 25

PLAYGROUNDS:

Rent of halls	35 00
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3,779 20

PENSIONS

Teachers' Retirement	1,000 00
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Amount carried forward \$7,319,125 01

Amount brought forward..... \$7,319,125 01

INTEREST

Accrued.....	\$1,787 00	
On deposit.....	7,673 48	
On special assessments.....	23 98	
On taxes.....	66,443 09	
		<u>75,927 55</u>

CEMETERY

Burials, care, etc.....	\$17,903 21	
Sale of lots and graves.....	18,874 43	
Interest on perpetual care fund.....	5,884 87	
		<u>42,662 51</u>

WATER

Meter rates.....	\$298,912 08	
Annual rates.....	78,635 99	
Miscellaneous bills:		
Cleaning supply.....	\$500 67	
Maintenance.....	3,465 09	
Off and on.....	55 00	
Rent.....	602 90	
Seals.....	8 00	
Setting meters.....	937 70	
Supply.....	2,237 89	
Supply renewal.....	6,790 75	
		<u>14,598 00</u>
		<u>392,146 07</u>

INCOME — TRUST FUNDS

Bridge Fund.....	\$98 80	
Rev. Patrick H. Callanan Fund.....	33 33	
William Penn Harding Fund.....	47 50	
Sarah E. Russell Fund.....	41 20	
Webster Thierry Fund.....	22 25	
		<u>243 08</u>

PREMIUMS

Premium on bond issues.....	\$4,659 86	
Premium on temporary revenue loans.....	8 00	
		<u>4,667 68</u>

LOANS

Bond issues.....	\$1,039,000 00	
Temporary revenue loans.....	3,000,000 00	
		<u>4,039,000 00</u>

MUNICIPAL SINKING FUNDS

Municipal sinking funds to pay maturing debt.....	159,000 00
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INSURANCE RECEIVED — RESERVED FOR APPROPRIATION

Boston and Cambridge bridges.....	\$247 00	
Electrical Department.....	148 87	
Park Department.....	122 85	
Street Department.....	202 76	
		<u>721 48</u>

Amount carried forward..... \$12,033,493 38

Amount brought forward \$12,033,493 38

AGENCY

Guarantee Deposits:

Driveway	\$2,500 00
Evening School	1,107 00
Garage and gasoline	1,034 00
Sundry licenses	8,577 05
Sewer	100 00

\$13,318 05

Deposits with bids:

Building	\$4,600 00
Construction plans	1,635 00
Electrical	1,700 00
Engineering	375 00
School	24,178 20
Street	24,800 00
Water	93,825 00
Police	100 00

151,213 20

City Clerk:

Dog licenses	\$2,860 20
Alien sporting licenses	30 00
Duplicate licenses	50
Resident citizens sporting licenses . .	1,547 00
Trapping licenses	2 00

4,439 70

City of Boston 247 00

Constable fees 278 57

Harvard College in anticipation of sidewalk
assessment 1,766 74

In lieu of guarantee bonds 1,626 00

Tax titles held by individuals 4,126 87

Tax title waivers 858 00

Tailings 1,629 04

179,503 17

TRUST FUNDS

Cemetery:

Perpetual care	\$7,735 10
Deeds in trust	10 00

7,745 10

MISCELLANEOUS

In lieu of taxes \$21,820 01

Postage and stationery 126 50

Reimbursement from Boston Elevated 137,719 32

Telephone exchange 251 66

Unclaimed checks, and cash prior to 1926 5,536 70

Unidentified cash 340 76

Reimbursement:

City Infirmary construction	750 00
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From Commonwealth:

Cambridge traffic artery tax	1,203 37
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Fire prevention tax	13 43
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Investigation of sewerage in Boston Harbor tax . .	506 27
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168,268 02

Amount carried forward \$12,389,009 67

Amount brought forward \$12,389,009 67

REFUNDS

Departmental appropriations:

Treasurer	\$57 00
License commission	10 00
City clerk	25 00
Law	7 50
Police	100 00
Health general	90 20
Sewer maintenance	8,573 93
Street sanitary	63 00
Street maintenance	54,417 73
Edgestones and sidewalks	480 00
Municipal Hospital	10 00
Outside aid	2,886 17
Mothers' aid	140 00
Old age assistance	20 00
Municipal pensions	171 77
Soldiers' relief	1,505 00
School	334 33
Library	6 39
Registered interest	60 00
Water pumping	11 25
Abraham Lincoln School construction	46 00
Municipal Hospital construction	224 25

69,239 52

Total \$12,458,249 19

Book balance April 1, 1931 342,110 97

Grand Total \$12,800,360 16

PAYMENTS

GENERAL GOVERNMENT
CITY COUNCIL EXPENSES

Personal Service:			
Salaries of councilors		\$5,625 00	
Service other than Personal:			
Transportation of persons	\$231 00		
Communication	7 50		
Service not otherwise coded	45 00		
		<u>283 50</u>	
Supplies:			
Food and ice		640 53	
Incidental Expenditures:			
Funerals, etc		75 00	
		<u>\$6,624 03</u>	

CLERK OF COMMITTEES

Personal Service:			
Permanent employees	\$6,259 00		
Temporary employees	49 50		
		<u>\$6,308 50</u>	
Service other than Personal:			
Postage		20 00	
Supplies:			
Office	\$64 25		
Supplies not otherwise coded	100 00		
		<u>164 25</u>	
		<u>6,492 75</u>	

EXECUTIVE DEPARTMENT

Personal Service:			
Permanent employees		\$12,330 83	
Service other than Personal:			
Printing and binding	\$20 00		
Postage	102 88		
Motor vehicle repairs and care	289 81		
Fees, service of venire, etc	4 50		
Service not otherwise coded	35 00		
		<u>452 19</u>	
Supplies:			
Office	\$286 50		
Food and ice	45 00		
Motor vehicle	246 98		
Chemicals and disinfectants	2 28		
Supplies not otherwise coded	4 00		
		<u>584 76</u>	
		<u>13,367 78</u>	

AUDITING DEPARTMENT

Personal Service:			
Permanent employees	\$9,510 34		
Temporary employees	441 50		
		<u>\$9,951 84</u>	
<i>Amount carried forward</i>		<u>\$9,951 84</u>	<u>\$26,484 56</u>

General Government — Continued

Amount brought forward \$9,951 84 \$26,484 56

AUDITING DEPARTMENT — Concluded

Service other than Personal:

Printing and binding	\$504 50	
Postage	10 00	
Cartage and freight	1 40	
Expert	40 70	
Services not otherwise coded	32 90	
		589 50

Equipment:

Office		42 50
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Supplies:

Office	\$1,009 71	
Food and ice	38 00	
		1,047 71

11,631 55

TREASURER'S AND COLLECTOR'S DEPARTMENT

Personal Service:

Permanent employees	\$28,025 88	
Temporary employees	3,465 00	
		\$31,490 88

Service other than Personal:

Printing and binding	\$42 79	
Postage	1,890 00	
Advertising and posting	1,501 36	
Cartage and freight	14 80	
Preparation and certification of revenue notes	347 77	
Rent	10 00	
Premium on surety bond	1,237 50	
Communication	60 61	
Fees, service of venire, etc.	614 05	
Service not otherwise coded	59 60	
		5,778 48

Equipment:

Office		367 00
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Supplies:

Office	\$1,944 48	
Food and ice	44 94	
		1,989 42

39,625 78

ADMINISTRATION OF SINKING FUNDS

Personal Service:

Permanent employees	\$444 16	
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Service other than Personal:

Actuarial	190 00	
		634 16

634 16

ASSESSORS' DEPARTMENT

Personal Service:

Permanent employees	\$19,464 67	
Temporary employees	3,756 01	
		\$23,220 68

Amount carried forward \$23,220 68 \$78,376 05

General Government — Continued

Amount brought forward \$23,220 68 \$78,376 05

ASSESSORS' DEPARTMENT — Concluded

Service other than Personal:

Printing and binding	\$214 00	
Postage	61 00	
Advertising and posting	70 76	
Transportation of persons	938 25	
Cartage and freight	50	
Transportation out of state	100 00	
		1,384 51

Equipment:

Office		1,303 50
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Supplies:

Office	\$1,253 53	
Food and ice	49 50	
		1,303 03

27,211 72

LICENSE COMMISSION

Personal Service:

Permanent employees	\$5,556 67	
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Service other than Personal:

Postage	\$20 00	
Service not otherwise coded	3 80	
		23 80

Supplies:

Office	\$243 37	
Badges	88 02	
		331 39

5,911 86

POLE AND CONDUIT COMMISSION

Personal Service:

Permanent employees	\$150 00	
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Service other than Personal:

Printing and binding	\$9 80	
Postage	5 00	
		14 80

Supplies:

Office	10 20	
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175 00

CITY CLERK'S DEPARTMENT

Personal Service:

Permanent employees	\$12,811 17	
Temporary employees	144 00	
		\$12,955 17

Service other than Personal:

Printing and binding	\$699 79	
Postage	150 00	
Advertising and posting	1,328 95	
Transportation of persons	15 00	
Premium on surety bond	30 00	
Fees, service of venire, etc.	405 80	
Service not otherwise coded	37 29	
		2,666 83

Amount carried forward	\$15,622 00	\$111,674 63
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General Government — Continued

Amount brought forward \$15,622 00 \$111,674 63

CITY CLERK'S DEPARTMENT — Concluded

Equipment:			
Office		236 25	
Supplies:			
Office	\$541 12		
Food and ice	45 00		
		586 12	
Special Items:			
Magazines and law reports		22 00	
			\$16,466 37

CITY MESSENGER'S DEPARTMENT

Personal Service:			
Permanent employees		\$3,867 67	
Service other than Personal:			
Postage	\$8 00		
Transportation of persons	10 00		
		18 00	
Supplies:			
Office		122 40	
			4,008 07

LAW DEPARTMENT

Personal Service:			
Permanent employees	\$6,817 33		
Temporary employees	66 00		
		\$6,883 33	
Service other than Personal:			
Printing and binding	\$112 50		
Postage	82 50		
Advertising and posting	6 00		
Transportation of persons	564 16		
Rent	562 50		
Communication	75 00		
Stenographic, copying, indexing	79 92		
Fees, service of venire, etc.	531 72		
Photographic and blueprinting	51 81		
		2,066 11	
Supplies:			
Office	\$93 41		
Library	10 85		
		104 26	
			9,053 70

ELECTION COMMISSION

Personal Service:			
Permanent employees	\$8,344 00		
Temporary employees	13,019 16		
		\$21,363 16	
Amount carried forward		\$21,363 16	\$141,202 77

General Government — Continued

Amount brought forward \$21,363 16 \$141,202 77

ELECTION COMMISSION — Concluded

Service other than Personal:

Printing and binding	\$6,133 14	
Postage	189 60	
Advertising and posting	790 89	
Transportation of persons	329 44	
Cartage and freight	1,341 00	
Rent	1,390 00	
Communication	81 75	
Service not otherwise coded	908 43	
		11,164 25

Supplies:

Office	\$536 19	
Food and ice	63 70	
Laundry, cleaning, toilet	15 00	
Supplies not otherwise coded	243 67	
		858 56

33,385 97

ENGINEERING DEPARTMENT

Personal Service:

Permanent employees	\$13,909 86	
Temporary employees	330 00	
Assessors' plans	749 50	
		\$14,989 36

Service other than Personal:

Printing and binding	\$37 00	
Postage	5 50	
Advertising and posting	5 00	
Transportation of persons	110 00	
Motor vehicle repairs and care	7 75	
Fees, service of venire, etc.	9 00	
Service not otherwise coded	20 44	
		194 69

Equipment:

Motor vehicles	\$511 00	
Office	10 00	
Tools and instruments	385 26	
		906 26

Supplies:

Office	\$128 42	
Motor vehicle	89 97	
Supplies not otherwise coded	165 49	
House measuring	24 00	
		407 88

16,498 19

CIVIL SERVICE LABOR REGISTRATION

Personal Service:

Permanent employees	\$600 00	
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Supplies:

Office	5 25	
		605 25

Amount carried forward \$191,692 18

General Government — *Concluded*

Amount brought forward \$191,692 18

INSPECTION OF BUILDINGS DEPARTMENT

Personal Service:

Permanent employees \$16,166 53

Service other than Personal:

Printing and binding \$47 00

Postage 39 86

Transportation of persons 200 00

Motor vehicle repairs and care 38 95

Fees, service of venire, etc. 7 50

Convention out of state 132 46

465 77

Supplies:

Office \$274 91

Food and ice 50 50

Motor vehicle 274 79

600 20

Special items:

Razing buildings 375 00

17,607 50

MUNICIPAL BUILDINGS DEPARTMENT

Personal Service:

Permanent employees \$28,696 74

Service other than Personal:

Light and power \$3,110 44

Boiler inspection 10 00

Service not otherwise coded 4,445 99

Laundry, towels, etc. 108 57

7,675 00

Equipment:

Equipment not otherwise coded 182 50

Supplies:

Fuel \$1,887 66

Laundry, cleaning, toilet 682 04

Chemicals and disinfectants 141 76

Supplies not otherwise coded 913 83

3,625 29

Special items:

Repairs to Inman Square fire station 1,053 04

41,232 57

PROTECTION OF LIFE AND PROPERTY

POLICE DEPARTMENT

Personal Service:

Permanent employees \$423,572 79

Service other than Personal:

Printing and binding \$24 50

Postage 90 00

Advertising and posting 14 63

Transportation of persons 67 15

Light and power 1,060 73

Amount carried forward \$1,257 01 \$423,572 79 \$250,532 25

Protection of Life and Property — *Continued*

Amount brought forward \$1,257 01 \$423,572 79 \$250,532 25

POLICE DEPARTMENT — *Concluded*Service other than Personal — *Concluded*

Rent	309 50	
Communication	2,452 60	
Motor vehicle repairs and care	1,506 22	
Fees, service of venire, etc.	7 50	
Photographic and blueprinting	5 45	
Service not otherwise coded	1,275 11	
		6,813 39

Equipment:

Motor vehicles	\$570 00	
Office	246 50	
Tools and instruments	69 00	
Wearing apparel	5,343 18	
Regalia	98 58	
		6,327 26

Supplies:

Office	\$1,597 35	
Food and ice	130 19	
Laundry, cleaning, toilet	68 30	
Motor vehicle	2,989 18	
Supplies not otherwise coded	236 39	
		5,021 41

Special items:

Repairing pulmotor equipment	74 50	
		441,809 35

FIRE DEPARTMENT

Personal Service:

Permanent employees	\$345,758 15	
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Service other than Personal:

Printing and binding	\$16 50	
Postage	10 46	
Advertising and posting	41 60	
Cartage and freight	20 19	
Light and power	613 06	
Communication	100 70	
Motor vehicle repairs and care	724 77	
Boiler inspection	55 00	
Service not otherwise coded	359 41	
Transportation out of state	150 00	
		2,091 69

Equipment:

Motor vehicles	\$6,500 00	
Furniture and fittings	29 40	
Wearing apparel	2,336 69	
Equipment not otherwise coded	1,745 12	
		10,611 21

Amount carried forward	\$358,461 05	\$692,341 60
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Protection of Life and Property — *Continued*

Amount brought forward \$358,461 05 \$692,341 60

FIRE DEPARTMENT — *Concluded*

Supplies:

Office	\$149 35	
Food and ice	79 30	
Fuel	2,893 97	
Medical, surgical, laboratory	8 61	
Laundry, cleaning, toilet	851 63	
Motor vehicle, gas and oil	1,364 84	
Chemicals and disinfectants	215 31	
Supplies not otherwise coded	2,434 59	
Motor supplies and parts	2,052 51	
		10,050 11

Special items:

Repairs to Engine 7 fire station	\$447 43	
Repairs to Engine 6 fire station	434 14	
Repairs to Lafayette Square fire station	285 60	
		1,167 17

369,678 33

ELECTRICAL DEPARTMENT

Personal Service:

Permanent employees	\$47,172 19	
Temporary employees	25 00	
Unassigned (overtime)	1,773 52	
		\$48,970 71

Service other than Personal:

Transportation of persons	\$450 00	
Cartage and freight	86	
Light and power	139 78	
Rent	90 00	
Communication	217 01	
Motor vehicle repairs and care	277 08	
Fees, service of venire, etc.	21 50	
Service not otherwise coded	31 71	
		1,227 94

Equipment:

Apparatus, cable, wire, etc.	\$435 99	
Electrical	47 30	
Office	44 10	
Tools and instruments	17 19	
		544 58

Supplies:

Office	\$131 98	
Laundry, cleaning	13 69	
Motor vehicle	1,270 73	
Supplies not otherwise coded	539 99	
		1,956 39

52,699 62

Amount carried forward \$1,114,719 55

Protection of Life and Property — *Concluded*

Amount brought forward \$1,114,719 55

STREET LIGHTING AND TRAFFIC

Service other than Personal:

Lighting streets and alleys \$109,308 52

Electrical traffic signals:

Current for traffic signals and spot-
lights \$4,215 18
Lamp renewals 153 38
Repairs to signals, materials 158 94

4,527 50

113,836 02

SEALER OF WEIGHTS AND MEASURES DEPARTMENT

Personal Service:

Permanent employees \$7,560 00

Service other than Personal:

Printing and binding \$11 00
Postage 5 00
Transportation of persons 10 00
Communication 27 15
Motor vehicle repairs 149 31
Stenographic, copying, indexing 1 90
Fees, service of venire, etc. 6 00

210 36

Equipment:

Tools and instruments 54 57

Supplies:

Motor vehicle \$271 89
Supplies not otherwise coded 17 87

289 76

8,114 69

PARK DEPARTMENT — FORESTRY DIVISION

Personal Service:

Permanent employees \$19,631 96
Temporary employees 943 30

\$20,575 26

Service other than Personal:

Advertising and posting \$4 50
Motor vehicle repairs and care 135 61
Service not otherwise coded 240 66

380 77

Equipment:

Motor vehicle 725 00

Supplies:

Agricultural \$1,328 25
Motor vehicle 160 74
Chemicals and disinfectants 265 71
Supplies not otherwise coded 331 18

2,085 88

23,766 91

Amount carried forward \$1,260,437 17

Amount brought forward \$1,260,437 17

HEALTH AND SANITATION

HEALTH DEPARTMENT — GENERAL

Personal Service:

Medical inspectors	\$2,625 00	
Sanitary inspectors	7,875 00	
Inspectors of provisions and slaughtering	5,555 00	
Housing inspector	2,025 00	
Office employees	5,998 84	
Social worker	1,425 00	
School physicians and school nurses.	20,009 39	
Infant welfare nurses	5,067 50	
T. B. Dispensary physicians and nurses	3,150 00	
Contagious nurses	2,555 00	
Schick testing physician	1,125 00	
Clinic nurse	1,275 00	
		\$58,680 73

Service other than Personal:

Printing and binding	\$188 25	
Postage	244 26	
Transportation of persons	675 00	
Cartage and freight	39 00	
Rent	9 00	
Communication	136 98	
Motor vehicle repairs and care	178 57	
Care of persons	20,389 40	
Fees, service of venire, etc.	12 00	
Service not otherwise coded	5 80	
Transportation out of state	71 80	
		21,950 06

Equipment:

Office	\$14 53	
Medical, surgical, laboratory	198 00	
		212 53

Supplies:

Office	\$526 29	
Food and ice	49 50	
Motor vehicle	287 87	
Supplies not otherwise coded	5 70	
School inspection	222 35	
Infant welfare	581 20	
Schick clinics	88 64	
Tuberculosis dispensary	651 49	
		2,413 04

83,256 36

HEALTH DEPARTMENT — TUBERCULOSIS HOSPITAL

Personal Service:

Permanent employees	\$23,623 36	
Temporary employees	868 87	
		\$24,492 23

Amount carried forward \$24,492 23 \$1,343,693 53

Health and Sanitation — Continued

Amount brought forward \$24,492 23 \$1,343,693 53

HEALTH DEPARTMENT — TUBERCULOSIS HOSPITAL — Concluded

Service other than Personal:

Postage	\$20 00	
Cartage and freight	37 16	
Light and power	109 49	
Communication	90 68	
Medical	14 00	
Service not otherwise coded	834 48	
		1,105 81

Equipment:

Furniture and fittings	\$535 05	
Medical, surgical, laboratory	33 00	
Sanitary	177 90	
		745 95

Supplies:

Office	\$23 97	
Food and ice	15,585 23	
Fuel	3,124 05	
Medical, surgical, laboratory	1,296 68	
Laundry, cleaning, toilet	608 22	
Agriculture	10 55	
Chemicals and disinfectants	21 25	
Supplies not otherwise coded	902 14	
Engine and fire room supplies	206 86	
Bedding and linen	746 90	
		22,525 85

Special items:

Workingmen's compensation	245 00	
		49,114 84

HEALTH DEPARTMENT — LABORATORY

Personal Service:

Permanent employees	\$4,282 50	
Temporary employees	50 00	
		\$4,332 50

Service other than Personal:

Postage	\$15 00	
Motor vehicle repairs and care	33 20	
Fees, service of venire, etc.	3 00	
Service not otherwise coded	8 75	
		59 95

Supplies:

Office	\$72 15	
Medical, surgical, laboratory	152 31	
Motor vehicle	78 71	
Supplies not otherwise coded	7 70	
		310 87

4,703 32

Amount carried forward \$1,397,511 69

Health and Sanitation — Continued

Amount brought forward \$1,397,511 69

HEALTH DEPARTMENT — DENTAL CLINICS

Personal Service:			
Permanent employees	\$10,446	66	
Service other than Personal:			
Service not otherwise coded	462	00	
Equipment:			
Furniture and fittings	95	75	
Supplies:			
Office	\$78	50	
Medical, surgical, laboratory	570	22	
			648 72
			11,653 13

INSPECTION OF ANIMALS DEPARTMENT

Personal Service:		
Permanent employee	1,500	00

SEWER MAINTENANCE DEPARTMENT

Personal Service:			
Permanent employees	\$32,537	63	
Service other than Personal:			
Postage	\$2	00	
Advertising and posting	12	00	
Transportation of persons	10	00	
Cartage and freight	.6	75	
Light and power	9	08	
Communication	60	77	
Motor vehicle repairs and care	530	24	
Medical	59	50	
Fees, service of venire, etc.	23	50	
Service not otherwise coded	245	88	
			959 72
Equipment:			
Apparatus, cable, wire, etc.	\$543	34	
Tools and instruments	4	15	
Wearing apparel	164	65	
			712 14
Supplies:			
Office	\$38	78	
Fuel	84	98	
Medical, surgical, laboratory	15	85	
Motor vehicle	2,504	50	
Chemicals and disinfectants	10	00	
Supplies not otherwise coded	261	96	
			2,916 07
Materials:			
Building	\$35	28	
Sewer	152	97	
			188 25
Special items:			
Workingmen's compensation	501	39	
			37,815 20

MOSQUITO SUPPRESSION

Special item:		
Paid to State for mosquito suppression	1,500	00
Amount carried forward	\$1,449,980	02

Health and Sanitation — *Concluded*

Amount brought forward \$1,449,980 02

STREET DEPARTMENT — SANITARY DIVISION

REFUSE AND GARBAGE DISPOSAL

Personal Service:

Permanent employees \$254,172 59

Service other than Personal:

Motor vehicle repairs and care \$1,048 54

Medical 442 30

Fees, service of venire, etc. 100 00

1,590 84

Equipment:

Motor vehicles \$35,837 63

Equipment not otherwise coded 228 32

36,065 95

Supplies:

Motor vehicle \$14,791 60

Supplies not otherwise coded 182 14

14,973 74

Materials:

Building 443 07

Special items:

Workingmen's compensation 2,475 05

309,721 24

HIGHWAYS AND BRIDGES

STREET MAINTENANCE DEPARTMENT

Personal Service:

Permanent employees \$199,162 72

Service other than Personal:

Printing and binding \$118 50

Postage 14 00

Advertising and posting 107 37

Cartage and freight 1 68

Light and power 1,084 20

Motor vehicle repairs and care 1,248 38

Medical 145 00

Fees, service of venire, etc. 108 50

Service not otherwise coded 758 81

3,586 44

Equipment:

Machinery \$140 36

Motorless vehicles 221 19

Tools and instruments 279 82

Equipment not otherwise coded 890 97

1,532 34

Supplies:

Office \$529 34

Food and ice 47 55

Fuel 235 97

Motor vehicle 11,661 26

Supplies not otherwise coded 2,124 52

14,598 64

Amount carried forward \$218,880 14 \$1,759,701 26

Highways and Bridges — Concluded

Amount brought forward \$218,880 14 \$1,759,701 26

STREET MAINTENANCE DEPARTMENT — Concluded**Materials:**

Highway maintenance \$18,657 62

Bridges 1,633 17

20,290 79

Special items:

Workingmen's compensation \$1,596 55

Bitulithic repairs 11,592 06

Repairs, canal bridges 1,602 25

Enlargement and improvement of
buildings, Commercial Avenue and

Main Street bridges 894 00

15,684 86

254,855 79

STREET MAINTENANCE — STABLE ACCOUNT**Personal Service:**

Permanent employees \$35,506 52

Service other than Personal:

Light and power \$550 76

Communication 293 60

Medical 12 50

Service not otherwise coded 127 55

984 41

Supplies:

Food and ice \$92 94

Fuel 952 23

Supplies not otherwise coded 1,678 66

2,723 83

Special items:

Workingmen's compensation 84 85

39,299 61

EDGESTONES AND SIDEWALKS**Personal Service:**

Permanent employees \$39,285 41

Materials:

Highway 14,974 52

54,259 93

BOSTON AND CAMBRIDGE BRIDGES**Personal Service:**

Permanent employees \$4,056 77

Service other than Personal:

Printing and binding \$30 42

Light 2,359 56

Service not otherwise coded 605 83

2,995 81

Supplies:

Supplies not otherwise coded 56 29

Special items:

New lights 978 32

8,087 19

Amount carried forward \$2,116,203 78

Amount brought forward \$2,116,203 78

CHARITIES

MUNICIPAL HOSPITAL

Personal Service:

Permanent employees	\$60,245 19	
Temporary employees	14,448 74	
Unassigned — special nurses	3,995 54	
		\$78,689 47

Service other than Personal:

Printing and binding	\$36 27	
Postage	274 10	
Advertising and posting	12 00	
Transportation of persons	72 00	
Cartage and freight	131 33	
Light and power	6,599 71	
Communication	1,265 26	
Cleaning	139 50	
Examinations	715 00	
Boiler inspection	10 00	
Service not otherwise coded	6,998 40	
		16,253 57

Equipment:

Office		512 27
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Supplies:

Office	\$1,676 49	
Food and ice	39,834 03	
Fuel	5,263 83	
Medical, surgical, laboratory	18,786 37	
Laundry, cleaning, toilet	3,397 17	
Supplies not otherwise coded	9,867 64	
		78,825 53

174,280 84

PUBLIC WELFARE — OUTSIDE AID

Personal Service:

Permanent employees	\$23,242 99	
Temporary employees	905 28	
		\$24,148 27

Service other than Personal:

Printing and binding	\$33 77	
Postage	262 00	
Transportation of persons	1,416 26	
Light and power	29 70	
Rent	171 12	
Communication	249 06	
Motor vehicle repairs and care	192 79	
Care of persons	1,865 00	
Fees, service of venire, etc.	6 00	
Burial	548 00	
Service not otherwise coded	25 60	
		4,799 30

Equipment:

Office	\$370 75	
Wearing apparel	3,690 62	
		4,061 37

Amount carried forward \$33,008 94 \$2,290,484 62

Charities — Continued

Amount brought forward \$33,008 94 \$2,290,484 62

PUBLIC WELFARE — OUTSIDE AID — Concluded

Supplies:

Office	\$732 69	
Food and ice	117,966 05	
Fuel	3,897 33	
Medical, surgical, laboratory	2,845 29	
Laundry, cleaning	9 51	
Motor vehicle	170 71	
Supplies not otherwise coded	5 88	
		125,627 46

Special items:

Care of dependents	\$203,837 82	
Bills of prior years	32,087 49	
Mothers' aid	80,339 02	
Old age assistance	13,812 00	
		330,076 33

488,712 73

PUBLIC WELFARE — CITY HOME

Personal Service:

Permanent employees	\$27,491 57	
Temporary employees	121 43	
		\$27,613 00

Service other than Personal:

Postage	\$22 50	
Transportation of persons	730 56	
Light and power	1,950 93	
Communication	220 65	
Motor vehicle repairs and care	10 88	
Medical	143 04	
Religious	25 00	
Fees, service of venire, etc.	2 00	
Burial	198 00	
Service not otherwise coded	511 65	
		3,815 21

Equipment:

Furniture and fittings	\$137 86	
Office	29 40	
Wearing apparel	919 02	
		1,086 28

Supplies:

Office	\$75 40	
Food and ice	13,450 63	
Fuel	2,114 09	
Surgical, medical, laboratory	1,011 64	
Laundry, cleaning, toilet	640 37	
Agricultural	80 36	
Motor vehicle	125 14	
Chemicals and disinfectants	42 14	
Tobacco	405 10	
Supplies not otherwise coded	1,403 05	
		19,347 92

51,862 41

Amount carried forward \$2,831,059 76

Charities — *Concluded*

Amount brought forward \$2,831,059 76

SOLDIERS' BENEFITS

Personal Service:

Permanent employees \$6,450 00

Service other than Personal:

Postage \$32 00

Transportation of persons 110 00

142 00

Supplies:

Office \$43 53

Food and ice 46 00

89 53

Special items:

State and military aid, soldiers' relief and burial 47,411 66

Incidental expenditures:

Care of soldiers' graves 960 37

55,053 56

MUNICIPAL PENSIONS

Personal Service:

Clerical service \$150 00

Municipal Pensions:

Treasury \$1,404 00

License Commission 516 78

Engineering 1,548 30

Municipal buildings 550 77

Police 15,767 65

Fire 24,054 91

Health 1,693 44

Sewer 8,578 05

Street 31,353 67

City Home 1,192 62

School 2,894 56

Library 468 00

Park 866 30

Water 309 73

Cemetery 757 18

91,955 96

92,105 96

EDUCATION

SCHOOL DEPARTMENT

For:

Salary of Superintendent and Assistant

Superintendent of Schools \$12,700 00

Other general administrative salaries 43,316 26

Teachers' salaries 1,128,265 14

General expenses 12,558 03

Textbooks and supplies 90,903 65

Tuition, industrial schools 8,084 10

Transportation of pupils 1,294 00

High school lunch supplies 17,634 27

Amount carried forward \$1,314,755 45 \$2,978,219 28

Education — Concluded

Amount brought forward \$1,314,755 45 \$2,978,219 28

SCHOOL DEPARTMENT — Concluded

Continuation school supplies	954 18	
Repairs to buildings and grounds	66,072 96	
Fuel and light	19,517 35	
Furniture and furnishings	6,929 33	
Other school expenses	11,044 73	
Janitors and matrons	112,285 94	
Janitors' supplies	4,469 99	
Minors' licenses	42 75	
Athletics	2,745 76	
Pensions	3,474 75	
Gas and electricity	5,438 78	
		1,547,731 97

LIBRARIES

CENTRAL LIBRARY AND BRANCHES

Personal Service:		
Permanent employees	\$49,148 03	
Temporary employees	1,728 40	
		\$50,876 43
Service other than Personal:		
Printing and binding	\$4,134 82	
Postage	191 25	
Advertising and posting	6 00	
Transportation of persons	35 00	
Cartage and freight	8 58	
Light and power	886 91	
Rent, taxes, water	4,142 97	
Insurance	303 60	
Communication	590 88	
Motor vehicle repairs	44 85	
Fees, service of venire, etc.	2 00	
Boiler inspection	20 00	
Service not otherwise coded	744 92	
		11,111 78
Equipment:		
Electrical	\$49 59	
Furniture and fittings	390 16	
Office	153 00	
		592 75
Supplies:		
Office	\$304 67	
Food and ice	15 92	
Fuel	262 50	
Library	12,025 15	
Laundry, cleaning, toilet	135 32	
Motor vehicle	124 03	
Supplies not otherwise coded	257 24	
		13,124 83
Special items:		
Contracts for construction work	2,914 04	
		78,619 83
Amount carried forward		\$4,604,571 08

Amount brought forward \$4,604,571 08

RECREATION

PARK MAINTENANCE — GENERAL

Personal Service:

Permanent employees	\$43,001 13	
Temporary employees	3,286 41	
		\$46,287 54

Service other than Personal:

Printing and binding	\$29 00	
Postage	6 00	
Advertising and posting	12 50	
Cartage and freight	90 42	
Hire of teams and auto trucks	9 00	
Light and power	538 67	
Lighting parks	885 38	
Rent	117 75	
Communication	140 96	
Motor vehicle repairs and care	540 64	
Blacksmith	19 21	
Testing materials and supplies	80 00	
Photographic and blueprinting	79	
Service not otherwise coded	1,820 74	
Laundering towels	956 86	
Cleaning tablets — soldiers' monument	135 00	
		5,382 92

Equipment:

Apparatus, cable, wire, etc.	\$96 00	
Electrical	343 78	
Motor vehicles	725 00	
		1,164 78

Supplies:

Office	\$375 28	
Food and ice	46 00	
Fuel	1,627 43	
Laundry, cleaning, toilet	466 47	
Educational and recreational	181 02	
Agricultural	29 97	
Motor vehicle	933 25	
Chemicals and disinfectants	40 42	
Supplies not otherwise coded	1,909 52	
New towels	148 52	
		5,757 88

Materials:

Highway	\$733 02	
Sewer	14 61	
		747 63

Special items:

Workingmen's compensation	30 85	
		59,371 60

Amount carried forward \$4,663,942 68

Recreation — *Concluded*

Amount brought forward \$4,663,942 68

PARK PLAYGROUNDS

Personal Service:

Permanent employees	\$10,698 16	
Temporary employees	19,877 21	
		\$30,575 37

Service other than Personal:

Printing and binding	\$156 25	
Postage	34 00	
Transportation of persons	275 00	
Cartage and freight	10 93	
Hire of teams and auto trucks	61 00	
Rent	760 87	
Motor vehicle repairs and care	54 88	
Photographic and blueprinting	80 25	
Services not otherwise coded	146 46	
Band concerts	495 20	
		2,074 84

Equipment:

Apparatus, cable, wire, etc.	\$74 95	
Electrical	14 01	
Educational	121 35	
Tools and instruments	7 62	
		217 93

Supplies:

Office	\$100 75	
Food and ice	42 50	
Medical, surgical, laboratory	55 62	
Educational and recreational	1,782 22	
Motor vehicle	114 13	
Supplies not otherwise coded	153 73	
		2,248 95

Incidental Expenditures:

Demonstration	698 63	

35,815 72

UNCLASSIFIED

DAMAGES TO PERSONS AND PROPERTY

Executions of court:

William I. Hennessey, Attorney for Jennie Donnaruma	\$125 00
M. J. Flaherty, Attorney for Catherine McWhinnie	50 00
George A. McLaughlin, Attorney for Katherine O'Rourke	250 00
I. O. Goverman, Attorney for Minnie Fox	100 00
Casey & Brooks, Attorneys for Eliz- abeth Connolly	700 00
Charles L. Perriello, Attorney for Louis Macarelli	350 00
Reuben Landan, Attorney for Rose Cushman	1,200 00

Amount carried forward \$2,775 00

\$4,699, 758 40

Unclassified — Continued

Amount brought forward \$2,775 00 \$4,699,758 40

DAMAGES TO PERSONS AND PROPERTY — Continued

Executions of Court — Continued

Thomas F. Sullivan, Attorney for Mrs. Ellen T. Murphy	600 00
Edmund J. Brandon, Attorney for Alice M. Garrity	450 00
George S. Ryan, Attorney for Joseph Isenstein, next friend of Goldie Isenstein	400 00
Zimon & Zimon, Attorneys for Josephine LaBerge	100 00
M. J. Flaherty, Attorney for Lillian Mello	75 00
Daniel J. Crowley, Attorney for Anthony Gonsalves, next friend of Geraldine Gonsalves	250 00
T. C. Dolan, Attorney for Joseph Bova	150 00
M. J. Flaherty, Attorney for Mary McCarthy	50 00
John F. Daly, Attorney for Thomas S. Wilson	300 00
J. Henry Smith, Attorney for Mary Bolger	350 00
George S. Drew, Attorney for Elizabeth A. Earle	900 00
M. Harry Golburgh, Attorney for Thomas DiPaola	340 00
Peter J. Nelligan, Attorney for Margaret A. McInerney	75 00
Francis D. Harrigan, Attorney for Nellie Ryder	435 43
John W. Lyons, Attorney for Walter T. McDermott	200 00
Harold C. Thompson, Attorney for Mary Hines	350 00
Harold C. Thompson, Attorney for Martha Zelan	650 00
Albert Adelson, Attorney for Evelyn Hanley	125 00
Edmund J. Brandon, Attorney for Mary Locassio	225 00
Sebastian Smedile, Attorney for Leonie Lemieux	350 00
Louis Lebowita, Attorney for Emma Gauldie	200 00
Linsky & Copins, Attorneys for Pauline Berthold	1,000 00
Michael Carchia, Attorney for Maria DiMattia	300 00
Harold C. Thompson, Attorney for Antonio Cloudine	150 00
Edward A. Counihan, Jr., Attorney for Christine McLaughlin	2,250 00

Amount carried forward \$13,050 43

\$4,699,758 40

Unclassified — Continued

Amount brought forward \$13,050 43 \$4,699,758 40

DAMAGES TO PERSONS AND PROPERTY — Continued

Executions of Court — Concluded

Frank J. Lehan, Attorney for Philip J. Maher	350 00	
Samuel H. Lewis, Attorney for Harry W. Prescott	150 00	
		\$13,550 43

Injuries from defects in sidewalks and streets:

Mary Carney	\$150 00	
Mary Masterson	300 00	
Katherine DeForrest	100 00	
Mary A. Burke	300 00	
Catherine B. Partridge	200 00	
Florence Monahan	50 00	
George W. McAvoy	125 00	
Janie McNeil	450 00	
Winifred G. Bridgman	175 00	
Margaret J. McCoy	150 00	
Annie Restolini	100 00	
Rose Schatz	250 00	
Esther O'Brien	225 00	
Elizabeth A. Flood	75 00	
James B. King	45 00	
Annie Conley	325 00	
Elizabeth Sullivan	400 00	
Frances Regan	150 00	
Robert Driscoll, next friend of Randolph Campbell, minor	75 00	
Mary Haven	150 00	
Paul Cleary	40 00	
Lillie A. Green	100 00	
Mary Sullivan	125 00	
Mary Lampossi	250 00	
Julia C. Coleman	100 00	
Paul Martin	500 00	
Giaconda Savoy	150 00	
Mae Poitrast	100 00	
Peter Perry, father of Joseph Perry, minor	150 00	
Lucy T. Downey	165 00	
Anna E. O'Hearn	150 00	
Mary A. O'Neil	100 00	
Susan A. Larsen	100 00	
Alice MacDonald	125 00	
Mary A. Brennan	300 00	
John R. Boland	200 00	
Sarah A. Elliott	75 00	
James T. Wightman	100 00	
Helen Kelley	200 00	
Felix T. Murphy	100 00	
Christina K. Findley	500 00	
Dorothy J. Ketcham	50 00	
		7,475 00

Amount carried forward \$21,025 43 \$4,699,758 40

Unclassified — Continued

Amount brought forward \$21,025 43 \$4,699,758 40

DAMAGES TO PERSONS AND PROPERTY — Concluded

Damages from defects in streets:

Frank Canessa	\$15 00	
Celia Fox Cohen	15 00	
James Galuzzo	75 00	
Harry Belanger	50 00	
Dr. Leo Fisher	15 00	
Arthur Kingston	25 00	
William F. Donovan	17 90	
Arthur L. Graves	14 55	
George E. Christenson	7 00	
William F. Trant	5 50	
		239 95

Miscellaneous damages:

Ernest Cormier	\$10 00	
Harris Ginsburg	71 00	
John J. Brennan	86 00	
Henry Irving Fairbanks	16 00	
Annie F. Mahoney	65 00	
Mrs. Annie F. Power	4 00	
Avard H. Stephenson	10 00	
Charles Martin	7 00	
Edward F. Cassedy	19 50	
William A. Doherty	5 00	
Margaret Sheehan	9 00	
Nelson Ellis	20 00	
Henry D. Wyeth	45 65	
John P. Gately	55 00	
Daniel J. Conway	10 00	
Jennie Alicondro	15 00	
		448 15

Injuries from miscellaneous causes:

John J. Terry	\$72 00	
Lucy G. Webb	10 00	
William Doherty	21 00	
Julia Dusseault	100 00	
Catherine Shea	200 00	
William J. Toppan	100 00	
George Clary	150 00	
John R. Carson	37 00	
		690 00

Miscellaneous claims:

Award, Industrial Accident Board:

Mary Keefe	\$1,000 00	
John M. Lyons, attorney	200 00	
		1,200 00

23,603 53

Amount carried forward \$4,723,361 93

Unclassified — Continued

Amount brought forward \$4,723,361 93

BOARD OF APPEAL

Personal Service:			
Permanent employees	\$765	00	
Service other than Personal:			
Printing and binding	\$4	00	
Postage	82	02	
Advertising and posting	129	25	
Stenographic, copying, indexing	62	50	
		277	77
			1,042 77

TELEPHONE EXCHANGE

Personal Service:			
Permanent employees	\$1,551	02	
Temporary employees	34	00	
		\$1,585	02
Service other than Personal:			
Communication		2,017	89
			3,602 91

FLETCHER SCHOOL SHOWER BATHS

Personal Service:			
Permanent employees	\$1,764	00	
Supplies:			
Soap, towels, laundry	387	20	
			2,151 20

HAGGERTY SCHOOL SHOWER BATHS

Personal Service:			
Permanent employees	\$842	00	
Supplies:			
Soap, towels, laundry	182	16	
			1,024 16

ROBERTS SCHOOL SHOWER BATHS

Personal Service:			
Permanent employees	\$1,179	00	
Supplies:			
Soap, towels, laundry	556	09	
			1,735 09

THORNDIKE SCHOOL SHOWER BATHS

Personal Service:			
Permanent employees	\$1,802	86	
Supplies:			
Soap, towels, laundry	682	12	
			2,484 98

GAME WARDEN

Personal Service:			
Permanent employee			37 50

MILITIA, USE OF RIFLE RANGE

Use of rifle range at Wakefield	\$3,519	10	
Use of rifle range at Wakefield (unpaid bills of 1930-1931)	2,555	20	
			6,074 30

Amount carried forward \$4,741,514 84

CITY AUDITOR

59

Unclassified — Concluded

Amount brought forward \$4,741,514 84

PLANNING BOARD

Subscription, blueprints 18 36

ANNUAL DOCUMENTS

Printing of annual documents for the year 1930-1931 1,834 00

POST 30, G. A. R. HEADQUARTERS

For rent of headquarters \$224 00

For lighting of headquarters 60 85

For heating of headquarters 35 70

320 55

POST 299, RUSSELL E. HOYT HEADQUARTERS

For rent of headquarters 1,125 00

PUBLIC CELEBRATIONS

Patriots' Day \$173 00

Independence Day 4,682 88

Armistice Day 140 00

Labor Day 464 68

5,460 56

MEMORIAL DAY

Observance of Memorial Day by the various Posts 3,475 23

CAMBRIDGE FIRE DEPARTMENT MEMORIAL DAY

Expended 482 00

CAMBRIDGE POLICE DEPARTMENT MEMORIAL DAY

Expended 179 50

CONVENTIONS

Encampment of the Knights of Pythias 399 92

CAMBRIDGE SAFETY COMMITTEE

Personal service \$25 00

Subscription 20 00

Photographs and films 200 00

245 00

MUNICIPAL EMPLOYMENT BUREAU

Personal Service:

Permanent employees \$1,424 58

Supplies:

Office 42 12

1,466 70

PUBLIC SERVICE ENTERPRISES

WATER DEPARTMENT — MAINTENANCE

Personal Service:

Permanent employees \$126,366 49

Unassigned — administration of

sinking funds 200 00

\$126,566 49

Amount carried forward \$126,566 49 \$4,756,521 66

Public Service Enterprises — *Continued*

Amount brought forward \$126,566 49 \$4,756,521 66

WATER DEPARTMENT — MAINTENANCE — *Concluded*

Service other than Personal:

Printing and binding	\$477 10	
Postage	619 00	
Advertising and posting	133 82	
Transportation of persons	469 00	
Cartage and freight	50 10	
Light and power	172 30	
Lighting streets, alleys, etc.	32 31	
Rent, taxes, water	3,274 61	
Communication	414 87	
Motor vehicle repairs and care	456 13	
Medical	81 50	
Extermination of insects	24 96	
Fees, service of venire, etc.	25 50	
Photographic and blueprinting	6 30	
Service not otherwise coded	375 37	
		6,612 87

Equipment:

Machinery	\$192 00	
Motor vehicle	1,600 00	
Furniture and fittings	9 01	
Office	268 32	
Tools and instruments	1,604 67	
Wearing apparel	12 74	
Equipment not otherwise coded	38 22	
		3,724 96

Supplies:

Office	\$1,026 01	
Food and ice	1,477 52	
Fuel	200 00	
Medical, surgical, laboratory	6 29	
Laundry, cleaning, toilet	16 00	
Motor vehicle	1,869 29	
Chemicals, chlorine	43 17	
Supplies not otherwise coded	543 58	
		5,181 86

Materials:

Water	\$33,399 75	
Materials not otherwise coded	534 43	
		33,934 18

Special items:

Pensions and annuities	\$9,258 24	
Workingmen's compensation	92 57	
Investigation of water supply	3,041 81	
		12,392 62

Incidental expenditures:

Inspection of plant	\$55 50	
Leakage	53 80	
Inspections out of state	135 00	
		244 30

188,657 28

Amount carried forward \$4,945,178 94

Public Service Enterprises — Continued

Amount brought forward \$4,945,178 94

WATER DEPARTMENT — PUMPING

Personal Service:

Permanent employees	\$21,003 38	
Temporary employees	826 49	
		\$21,829 87

Service other than Personal:

Transportation of persons	\$15 00	
Cartage and freight	7 13	
Light and power	582 89	
Communication	48 46	
Medical	15 00	
Service not otherwise coded	1,276 72	
		1,945 20

Equipment:

Furniture and fittings	\$83 16	
Tools and instruments	116 83	
Equipment not otherwise coded	15 43	
		215 42

Supplies:

Office	\$2 45	
Food and ice	62 19	
Fuel	12,592 30	
Laundry, cleaning, toilet	21 20	
Chemicals and disinfectants	72 40	
Supplies not otherwise coded	1,737 61	
		14,488 15

Materials:

Materials not otherwise coded		1,716 45
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Special items:

Final payment on new pump	3,025 00	
		43,220 09

WATER DEPARTMENT — RESERVOIRS

Personal Service:

Permanent employees	\$28,199 25	
Temporary employees	375 00	
		\$28,574 25

Service other than Personal:

Printing and binding	\$15 00	
Transportation of persons	75 00	
Cartage and freight	63	
Hire of teams and trucks	50 00	
Lighting streets, alleys and parks	4 60	
Rent, taxes, water	60 50	
Communication	119 25	
Motorless vehicle repairs	6 00	
Cleaning	3,194 84	
Service not otherwise coded	412 14	
Harness, etc., repairs	15 50	
Horseshoeing and clipping	197 25	
		4,150 71

Amount carried forward \$32,724 96 \$4,988,399 03

Public Service Enterprises — *Concluded*

Amount brought forward \$32,724 96 \$4,988,399 03

WATER DEPARTMENT — RESERVOIRS — *Concluded*

Equipment:			
Motorless vehicles	\$30 00		
Tools and instruments	42 20		
Live stock — horses	37 50		
Wearing apparel	9 00		
		118 70	
Supplies:			
Fuel	\$71 46		
Forage and animal	188 04		
Chemicals and disinfectants	3 90		
Supplies not otherwise coded	90 69		
		354 09	
Materials:			
Materials, etc., not otherwise coded		490 10	
			33,687 85

WATER DEPARTMENT — FILTRATION

Personal Service:			
Permanent employees	\$15,573 32		
Temporary employees	613 50		
		\$16,186 82	
Service other than Personal:			
Cartage and freight	\$8 71		
Light and power	4,257 51		
Communication	59 97		
Service not otherwise coded	51 94		
		4,378 13	
Equipment:			
Furniture and fittings	\$47 52		
Tools and instruments	19 90		
Equipment not otherwise coded	312 70		
		380 12	
Supplies:			
Office	\$2 28		
Food and ice	39 45		
Fuel	750 00		
Medical, surgical, laboratory	128 78		
Chemicals and disinfectants	11,816 87		
Supplies not otherwise coded	549 17		
		13,286 55	
			34,231 62

WATER DEPARTMENT — DEBT AND INTEREST

Serial loans	\$31,000 00	
Interest	31,996 25	
		62,996 25

WATER DEPARTMENT — CONSTRUCTION

Installation of new pumps and intake at Fresh Pond	\$120 00	
New filter beds at Fresh Pond	8,202 54	
New twelve-inch pipe	30,000 00	
New meters	29,933 06	
		68,255 60
<i>Amount carried forward</i>		\$5,187,570 35

Amount brought forward \$5,187,570 35

CEMETERIES

CEMETERY DEPARTMENT

Personal Service:

Permanent employees	\$24,712 78	
Temporary employees	18,350 31	
Unassigned — overtime	1,097 32	
		\$44,160 41

Service other than Personal:

Printing and binding	\$83 61	
Postage	61 50	
Cartage and freight	1 06	
Hire of teams and auto trucks	118 33	
Light and power	60 17	
Premium on surety bond	18 00	
Communication	115 55	
Motor vehicle repairs and care	431 89	
Medical	7 00	
Service not otherwise coded	404 17	
Repairs under special perpetual care contracts	127 40	
		1,428 68

Equipment:

Machinery	\$271 41	
Tools and instruments	581 70	
Wearing apparel	110 70	
Equipment not otherwise coded	124 30	
		1,088 11

Supplies:

Office	\$124 35	
Food and ice	73 91	
Fuel	191 30	
Agricultural	1,820 53	
Motor vehicle	966 75	
Supplies not otherwise coded	1,131 74	
		4,308 58

Materials:

Building	\$205 33	
Highway	646 94	
Materials not otherwise coded	591 86	
		1,444 13

Special items:

Filling and grading	\$5,010 16	
New fence and repairs to Coolidge Avenue fence	137 44	
		5,147 60

57,577 51

INTEREST

On anticipation of revenue notes	\$24,380 00
Sewer loans	\$52,224 37
Bridge loans	65,880 00
Street loans	109,981 12
Building loans	27,581 25
Hospital loans	26,232 50
Schoolhouse loans	51,440 62

Amount carried forward \$333,339 86 \$24,380 00 \$5,245,147 86

Amount brought forward \$333,339 86 \$24,380 00 \$5,245,147 86

INTEREST — *Concluded*

Park loans	28,251 00		
Playground loans	3,887 50		
Departmental equipment loans	3,472 50		
Sanders Temperance Fund	265 00		
Dowse Institute contract	1,200 00		
		<u>370,415 86</u>	
			394,795 86

TEMPORARY REVENUE LOANS

Temporary loans in anticipation of revenue 3,000,000 00

MUNICIPAL SERIAL LOANS

For loans that have matured as follows:			
Sewer	\$31,500 00		
Bridge	69,500 00		
Street	458,400 00		
Building	53,500 00		
Hospital	48,500 00		
Schoolhouse	115,750 00		
Park	4,000 00		
Playground	2,500 00		
Departmental equipment	54,000 00		
		<u>837,650 00</u>	

FUNDED LOANS

For loans that have matured as follows:			
Sewer	\$110,000 00		
Street	45,000 00		
Hospital	4,000 00		
		<u>159,000 00</u>	

TRUST FUNDS

Paid to treasurer:			
Cemetery — perpetual care	\$7,744 60		
Edward L. Kingman	1,700 00		
		<u>9,444 60</u>	

INCOME TRUST FUNDS

Sundry payments:			
Webster Thierry Fund	\$9 00		
Sarah E. Russell Fund	41 20		
William Penn Harding Fund	50 00		
Rev. Patrick H. Callanan Fund	33 33		
		<u>133 53</u>	

SMITH-HUGHES FUND

Sundry payments 2,229 76

HOPKINS FUND

Sundry payments 591 43

GEORGE REED FUND

Sundry payments 11 41

CAPT. JOHN KINNAR CO. "C" MEMORIAL

Sundry payments 441 70

Amount carried forward \$9,649,446 15

Amount brought forward \$9,649,446 15

STATE, COUNTY AND METROPOLITAN DISTRICT TAXES

State tax	\$197,475 00	
Abatement smoke nuisance	3,103 04	
Alewife Brook	296 00	
Broadway-Revere Beach Highway Crossing	1,561 98	
Canterbury Street Highway	101 14	
Care of Civil War veterans	442 50	
Charles River Basin	24,746 73	
Charles River Basin Bridge	25,810 07	
Improvement of Charles River Basin	42,500 00	
Metropolitan planning	749 18	
Metropolitan park	138,046 43	
Metropolitan sewer	94,568 38	
Metropolitan transit district	2,483 20	
Municipal audit	12,146 08	
Southern traffic route	80 75	
Ways in Malden, Braintree, Weymouth and Hingham	2,121 68	
West Roxbury, Brookline Parkway	230 43	
Veterans' exemption	626 94	
Corporation tax	73	
National Bank tax	920 70	
Trust Company tax	475 87	
Old age assistance	33,624 00	
County tax	328,045 37	
		910,156 20

GARAGE, GASOLINE AND SUNDRY LICENSE DEPOSITS LICENSE COMMISSION

Paid for advertising	\$744 25	
Refunded to petitioners	161 90	
		906 15
To city by book transfer for licenses issued	\$8,849 70	

GUARANTEE DEPOSITS Contract Bids

Refunded to depositors:		
Electrical department	\$1,000 00	
Building department	4,700 00	
Engineering department	350 00	
School department	24,178 20	
Street department	24,800 00	
Water department	93,825 00	
		148,853 20

SEWER DEPARTMENT

Paid to the city for completed work	\$45 78	
Refunded to depositors	54 22	
		100 00

STREET DEPARTMENT

Paid to the city for completed work	\$1,571 44	
Refunded to depositors	878 56	
		2,450 00

Amount carried forward \$10,711,911 70

Amount brought forward \$10,711,911 70

WATER DEPARTMENT

Paid to the city for completed work 100 00

PREMIUM ACCOUNT

GENERAL LOANS

Preparation and certification of bonds 1,309 00

WATER LOANS

Advertising \$13 00

Preparation and certification of bonds 1,200 00

1,213 00

AGENCY

City Clerk, hunting and fishing licenses \$1,482 00

City Clerk, dog licenses to county 3,312 00

Tax titles held by individuals 4,126 87

Tax title waiver fees 726 00

Constables' fees 278 57

Tailings account 26 39

City of Boston, damage claim, B. & C. Bridges 247 00

Harvard College, in anticipation of sidewalk

assessment 1,065 66

In lieu of guarantee bonds 1,626 00

12,890 49

SPECIAL FUND AND LOAN ACCOUNTS

DEPARTMENTAL EQUIPMENT

ELECTRICAL DEPARTMENT—UNDERGROUND CABLE

Personal Service:

Employees \$3,177 50

Service other than Personal, Material, etc.:

Advertising \$8 82

Cable 1,163 26

Lumber 284 26

Repairs to bitulithic 20 49

Sand and gravel 120 67

Sharpening tools, welding, etc. 29 12

Tools and miscellaneous 1,528 25

3,154 87

6,332 37

ELECTRICAL TRAFFIC

Personal Service:

Employees \$1,841 50

Service other than Personal, Material, etc.:

Advertising \$8 82

Cable 169 41

Metal posts 123 16

Pedestals, etc. 1,072 94

Repairs to bitulithic 93 60

Sand and gravel 71 23

Sharpening tools 50

Tools and miscellaneous 916 47

2,456 13

4,297 63

Amount carried forward \$10,738,054 19

Amount brought forward \$10,738,054 19

HEALTH AND SANITATION

SEWER DEPARTMENT CONSTRUCTION GENERAL

Personal Service:

Employees \$64,892 00

Service other than Personal, Material, etc.:

Bricks	\$60 75
Bitulithic pavement and repairs	246 53
Cement	3,080 71
Concrete	170 63
Crushed stone	34 01
Electrical	101 15
Frames	355 32
Fuel	72 00
Hoods, traps and grates	652 00
Lumber	1,876 49
Mixed concrete	203 00
Oil, gasoline and kerosene	1,017 11
Rental of tractor and hoist	1,622 72
Rods and beams	5,949 75
Repairing compressor, hoist, magneto, mixer, plank driver, pump and tractor	475 59
Resurfacing trench across Alewife Brook Parkway	32 00
Sand and gravel	3,753 84
Sewer bricks	78 60
Sewer pipe	290 30
Sharpening tools	12 35
Stone	32 73
Tools and miscellaneous	4,429 89
Tricomix	465 81
Truck hire	2,204 22

27,217 50

92,109 50

HIGHWAYS AND BRIDGES

Street Construction, Chapter 44, Section 7 (6) General Laws

ARCADIA STREET

Personal Service:

Employees \$2,115 04

Service other than Personal, Material, etc.:

Amiesite	\$632 83
Concrete	137 75
Lumber	32 00
Stone	128 86
Tools and miscellaneous	45 32
Truck hire	75 00

1,051 76

\$3,166 80

CAMELIA AVENUE

Service other than Personal, Material, etc.:

Amiesite 596 70

Amount carried forward

\$3,763 50 *\$10,830,163 69

Highways and Bridges — *Continued*Street Construction, Chapter 44, Section 7 (6) General Laws — *Continued*

Amount brought forward \$3,763 50 \$10,830,163 69

COLUMBUS AVENUE

Service other than Personal, Material, etc.:

Binder \$154 00
Sand and gravel 8 82

162 82

GARDEN STREET

Personal Service:

Employees \$5,575 20

Service other than Personal, Material, etc.:

Binder \$697 32
Fuel 97 72
Lumber 5 00
Stone and stone dust . . . 1,314 81

2,114 85

7,690 05

GRANITE STREET

Personal Service:

Employees 107 66

GRAY STREET

Service other than Personal, Material, etc.:

Binder 73 50

GRAY GARDENS EAST

Personal Service:

Employees \$4,201 53

Service other than Personal, Material, etc.:

Amiesite \$4,389 40
Fuel 22 00
Stone 1,242 61
Hire of roller, shovel,
truck 1,226 75

6,880 76

11,082 29

GRAY GARDENS WEST

Personal Service:

Employees \$10,471 25

Service other than Personal, Material, etc.:

Fuel \$22 73
Tools and miscellaneous. 39 20
Truck hire 762 50

824 43

11,295 68

HANCOCK STREET

Personal Service:

Employees \$14,673 31

Service other than Personal, Material, etc.:

Binder \$367 50
Fuel 41 61
Stone 767 00

1,176 11

15,849 42

Amount carried forward \$50,024 92 \$10,830,163 69

Highways and Bridges — *Continued*Street Construction, Chapter 44, Section 7 (6) General Laws — *Continued*

Amount brought forward \$50,024 92 \$10,830,163 69

HARRISON AVENUE

Service other than Personal, Material, etc.:

Binder \$79 80
Sand and gravel 9 65

89 45

HARVARD STREET

Personal Service:

Employees \$17,090 55

Service other than Personal, Material, etc.:

Binder \$939 75
Fuel 84 72
Stone and stone dust . . . 1,423 47
Tools and miscellaneous . . 2 25

2,450 19

19,540 74

HOLWORTHY STREET

Service other than Personal, Material, etc.:

Binder 73 50

HURLBUT STREET

Service other than Personal, Material, etc.:

Binder 73 50

IRVING STREET

Personal Service:

Employees \$12,282 84

Service other than Personal, Material, etc.:

Binder \$853 30
Fuel 40 47
Rental of shovel 577 00
Stone 1,787 70
Tools and miscellaneous . . 103 63
Truck hire 950 00

4,312 10

16,594 94

KIMBALL STREET

Personal Service:

Employees \$2,363 43

Service other than Personal, Material, etc.:

Binder \$147 00
Crushed stone 385 90
Fuel 29 77

562 67

2,926 10

KASSUL PARK

Personal Service:

Employees \$583 66

Service other than Personal, Material, etc.:

Binder \$150 50
Crushed stone 1,527 26
Fuel 22 95
Roller and truck hire . . . 310 50

2,011 21

2,594 87

Amount carried forward \$91,918 02 \$10,830,163 69

Highways and Bridges — *Continued*Street Construction, Chapter 44, Section 7 (6) General Laws — *Continued*

Amount brought forward..... \$91,918 02 \$10,830,163 69

LARCHWOOD

Personal Service:

Employees..... \$14,131 32

Service other than Personal, Material, etc.:

Binder..... \$4,245 15

Cement..... 61 60

Fuel..... 237 99

Lighting..... 49 30

Sand and gravel..... 13 32

Stone..... 8,972 74

Tools and miscellaneous..... 570 27

Truck and roller hire... 4,571 75

18,722 12

32,853 44

LEE STREET

Personal Service:

Employees..... \$5,501 82

Service other than Personal, Material, etc.:

Binder..... \$464 14

Fuel..... 43 33

Lighting..... 22 00

Stone..... 858 79

Truck hire..... 106 25

1,494 51

6,996 33

MADISON STREET

Personal Service:

Employees..... \$6,041 45

Service other than Personal, Material, etc.:

Amiesite..... \$2,364 70

Fuel..... 52 40

Stone..... 670 64

Truck hire..... 1,026 50

4,114 24

10,155 69

MARTIN STREET

Service other than Personal, Material, etc.:

Binder..... 147 00

PARKER STREET

Service other than Personal, Material, etc.:

Binder..... 147 00

PLYMOUTH STREET

Personal Service:

Employees..... \$1,519 43

Service other than Personal, Material, etc.:

Amiesite..... 950 31

2,469 74

Amount carried forward..... \$144,687 22 \$10,830,163 69

Highways and Bridges — *Continued*Street Construction, Chapter 44, Section 7 (6) General Laws — *Continued*

Amount brought forward \$144,687 22 \$10,830,163 69

ROGERS STREET

Personal Service:

Employees \$10,343 88

Service other than Personal, Material, etc.:

Amiesite \$3,366 43

Fuel 41 08

Lighting 19 25

Stone 208 15

Tools and miscellaneous 201 44

Truck hire 68 75

3,905 10

14,248 98

SEAGRAVE ROAD AND COLUMBUS AVENUE

Personal Service:

Employees \$11,155 95

Service other than Personal, Material, etc.:

Binder \$1,086 75

Fuel 119 66

Lighting 24 20

Sand and gravel 67 82

Stone 2,103 22

Tools and miscellaneous 74 72

Truck hire 205 00

3,681 37

14,837 32

WHITTEMORE AVENUE

Personal Service:

Employees \$5,315 46

Service other than Personal, Material, etc.:

Binder \$1,098 30

Fuel 42 37

Lighting 29 70

Sand and gravel 24 59

Stone 1,114 10

Tools and miscellaneous 23 27

Truck hire 59 38

2,391 71

7,707 17

181,480 69

Street Construction, Chapter 44, Section 7 (5) General Laws

ANTRIM STREET

Personal Service:

Employees \$8,512 87

Service other than Personal, Material, etc.:

Asphalt pavement \$4,887 50

Fuel 39 59

Lighting 30 00

Sand and gravel 5 06

Stone 163 50

Tools and miscellaneous 90 65

Truck and shovel hire 1,352 63

6,568 93

\$15,081 80

Amount carried forward \$15,081 80 \$11,011,644 38

Highways and Bridges — *Continued*Street Construction, Chapter 44, Section 7 (5) General Laws — *Continued*

Amount brought forward \$15,081 80 \$11,011,644 38

BALDWIN STREET

Personal Service:

Employees \$4,975 28

Service other than Personal, Material, etc.:

Bitulithic \$5,500 00

Fuel 40 70

Miscellaneous 20 82

Sand and gravel 149 51

Truck hire 508 50

6,219 53

11,194 81

BERKSHIRE STREET

Personal Service:

Employees \$10,368 44

Service other than Personal, Material, etc.:

Asphalt mix \$6,606 62

Fuel 47 81

Lighting 23 10

Sand and gravel 54 45

Stone 51 50

Tools and miscellaneous 132 29

Truck and shovel hire.. 1,548 75

8,464 52

18,832 96

BINNEY STREET

Personal Service:

Employees \$3,410 71

Service other than Personal, Material, etc.:

Cement \$434 20

Cutting and cleaning
blocks 775 93

Mixer repairs 43 82

Rental of compressor... 38 40

Sand and gravel 353 72

Tools and miscellaneous 185 88

Truck hire 312 50

2,144 45

5,555 16

CEDAR STREET

Personal Service:

Employees \$4,773 22

Service other than Personal, Material, etc.:

Bitulithic \$6,502 50

Sand and gravel 67 43

Stone 254 20

Tools and miscellaneous 333 97

Truck, shovel, trailer
and roller hire 1,431 75

8,589 85

13,363 07

Amount carried forward \$64,027 80 \$11,011,644 38

Highways and Bridges — *Continued*Street Construction, Chapter 44, Section 7 (5) General Laws — *Continued*

Amount brought forward \$64,027 80 \$11,011,644 38

ELLERY STREET

Personal Service:

Employees \$8,027 38

Service other than Personal, Material, etc.:

Bitulithic \$6,300 00

Bricks 29 00

Rental of shovel 429 00

Stone 83 00

Truck hire 387 50

7,228 50

15,255 88

FRANKLIN STREET

Personal Service:

Employees \$15,411 27

Service other than Personal, Material, etc.:

Cement \$728 20

Cutting, redressing and
piling blocks 1,513 54

Fuel 41 77

Sand and gravel 1,142 36

Tools and miscellaneous 345 89

Truck hire 275 50

4,047 26

19,458 53

FROST STREET

Personal Service:

Employees \$5,796 73

Service other than Personal, Material, etc.:

Amiesite \$345 95

Bitulithic 4,250 00

Fuel 48 62

Stone 1,312 03

Truck, shovel, roller
hire 1,260 00

7,216 60

13,013 33

HOVEY AVENUE

Personal Service:

Employees \$13,501 49

Service other than Personal, Material, etc.:

Advertising \$12 00

Asphalt pavement 2,475 18

Concrete 40 26

Edgestone 1,036 13

Land damage 7,522 48

Lighting 20 00

Sand and gravel 79 53

Tools and miscellaneous 57 57

Truck and shovel hire 613 00

11,856 15

25,357 64

Amount carried forward \$137,113 18 \$11,011,644 38

Highways and Bridges — *Continued*Street Construction, Chapter 44, Section 7 (5) General Laws — *Continued*

Amount brought forward \$137,113 18 \$11,011,644 38

GARDEN STREET WIDENING

Personal Service:

Employees \$2,943 97

Service other than Personal, Material, etc.:

Binder \$652 65

Concrete 60 38

Truck hire 25 00

738 03

3,682 00

HURON AVENUE

Personal Service:

Employees \$13,093 54

Service other than Personal, Material, etc.:

Bitulithic \$12,580 00

Blocks 148 13

Fuel 135 20

Sand, gravel and stone . 1,258 40

Tools and miscellaneous 223 19

Truck hire 1,212 00

15,556 92

28,650 46

LEONARD AVENUE

Personal Service:

Employees \$5,347 98

Service other than Personal, Material, etc.:

Asphalt \$2,550 00

Fuel 40 16

Sand and gravel 42 31

Truck hire 246 75

2,879 22

8,227 20

MASSACHUSETTS AVENUE

Personal Service:

Employees \$1,473 48

Service other than Personal, Material, etc.:

Bitulithic \$2,380 00

Concrete 20 13

Sand and gravel 855 99

Truck hire 630 88

3,887 00

5,360 48

OTIS STREET

Personal Service:

Employees \$21,672 57

Service other than Personal, Material, etc.:

Cement \$917 80

Cutting and piling blocks 1,254 05

Repairs to mixer 2 45

Sand and gravel 573 22

Stone 43 14

Tools and miscellaneous 285 15

Truck hire 25 00

3,100 81

24,773 38

Amount carried forward \$207,806 70 \$11,011,644 38

Highways and Bridges — *Continued*Street Construction, Chapter 44, Section 7 (5) General Laws — *Continued*

Amount brought forward \$207,806 70 \$11,011,644 38

PEABODY SQUARE

Service other than Personal, Material, etc.:		
Coarse mix	\$95 85	
Furnishing and laying Warrenite bitulithic	3,867 50	
		3,963 35

PRISON POINT BRIDGE

Service other than Personal, Material, etc.:		
Advertising	\$119 60	
Rebuilding wearing surface	25,432 53	
		25,552 13

PUTNAM AVENUE

Personal Service:		
Employees	\$2,669 59	
Service other than Personal, Material, etc.:		
Bitulithic	\$7,350 00	
Concrete	315 64	
Tools and miscellaneous	34 03	
Truck hire	59 92	
		7,759 59
		10,429 18

QUINCY STREET

Personal Service:		
Employees	\$4,255 35	
Service other than Personal, Material, etc.:		
Bitulithic	\$2,641 36	
Fuel	84 79	
Lighting	33 00	
Stone	251 70	
Tools and miscellaneous	11 16	
Truck hire	75 00	
		3,097 01
		7,352 36

SHERMAN STREET

Personal Service:		
Employees	\$12,487 64	
Service other than Personal, Material, etc.:		
Concrete	\$13,000 00	
Fuel	89 55	
Lighting	34 65	
Tools and miscellaneous	150 81	
Truck and shovel hire . .	1,651 50	
		14,926 51
		27,414 15

Amount carried forward		
	\$282,517 87	\$11,011,644 38

Highways and Bridges — *Concluded*Street Construction, Chapter 44, Section 7 (5) General Laws — *Concluded*

Amount brought forward \$282,517 87 \$11,011,644 38

SPARKS STREET

Personal Service:

Employees \$17,561 60

Service other than Personal, Material, etc.:

Advertising \$47 25

Bitulithic 7,700 00

Crushed stone 853 12

Fuel 50 77

Tools and miscellaneous 77 51

Truck hire 1,108 00

9,836 65

27,398 25

THORNDIKE STREET

Personal Service:

Employees \$15,947 36

Service other than Personal, Material, etc.:

Cement \$470 80

Cutting and piling blocks 1,227 13

Sand and gravel 503 88

Tools and miscellaneous 243 92

Truck hire 50 00

2,495 73

18,443 09

WEBSTER AVENUE AND WINDSOR STREET

Personal Service:

Employees \$29,881 92

Service other than Personal, Material, etc.:

Binder \$68 85

Fuel 168 29

Furnishing and laying

bitulithic 25,600 00

Lighting 77 00

Tools and miscellaneous 343 69

Truck and shovel hire 3,757 24

30,015 07

59,896 99

WIDENING JAMES STREET

Service other than Personal, Material, etc.:

Concrete 14 38

388,270 58

ALEWIFE BROOK FRESH POND HIGHWAY ASSESSMENT

Commonwealth of Massachusetts 149,753 97

Amount carried forward \$11,549,668 93

Amount brought forward \$11,549,668 93

BUILDING CONSTRUCTION

MUNICIPAL HOSPITAL

Service other than Personal, Material, etc.:		
Architect's services	\$3,254 13	
Advertising and printing	157 05	
Case work in laboratory	425 35	
Electrical services and supplies	807 44	
Engineers	395 47	
Furniture and furnishings	17,276 36	
Grading hospital grounds	6,550 00	
Heating, ventilating and plumbing	2,651 92	
Iron balcony furnished and erected on new hospital wing	676 00	
Refrigerating machinery	5,790 00	
Screens and screen doors	2,449 00	
Shades	488 55	
Miscellaneous	2,241 83	
		43,163 10

ABRAHAM LINCOLN SCHOOL

Service other than Personal, Material, etc.:		
Chain link fence	\$475 00	
Land damages	25,590 71	
	26,065 71	
Less refund on equipment paid in 1930	46 00	
		26,019 71

HENRY WADSWORTH LONGFELLOW SCHOOL

Personal Service:		
Employees	\$1,561 24	
Service other than Personal, Material, etc.:		
Advertising and printing	\$62 42	
Architect's services	4,780 72	
Construction	116,430 35	
Cooking room equipment	475 06	
Electrical	10,841 58	
Engineers' services	655 63	
Furniture and furnishings	23,470 89	
Heating and ventilation	24,048 35	
Land damage	15,000 00	
Lockers	798 00	
Models — casting and carving	1,187 00	
Making and erecting bronze tablet	300 00	
Physicians' room equipment	132 70	
Plumbing	16,986 75	
Pianos	1,203 00	
Radio equipment	2,875 00	
Sewing machines and sewing room equipment	802 75	
Stage settings	563 00	
Miscellaneous	1,611 63	
Waterproofing	4,625 00	
	226,849 83	
		228,411 07
<i>Amount carried forward</i>		\$11,847,262 81

Building Construction — *Concluded*

Amount brought forward \$11,847,262 81

ROBERTS SCHOOL

Service other than Personal, Material, etc.:

Stenographic	\$52 80
Waterproofing	425 00

477 80

RINDGE SCHOOL

Personal Service:

Employees	\$565 93
-----------------	----------

Service other than Personal, Material, etc.:

Cartage and freight	\$1,945 50
Moving and erecting portable school	247 00
Moving and installing printing machinery	528 50
Professional services in connection with preliminary studies of planning of the new Rindge School...	275 00
Plumbing	85 00
Rent of the north wing of the Biological Laboratory	3,096 00
Surveying	228 80
Miscellaneous	554 88

6,960 68

7,526 61

WATER CONSTRUCTION

NEW 24-INCH AND 30-INCH MAIN

Personal Service:

Employees	\$1,686 78
-----------------	------------

Service other than Personal, Material, etc.:

Advertising and printing	\$166 61
Architect's services	31 25
Cartage, freight and demurrage	4,612 65
Catch basins	891 80
Chlorinating new line of 30-inch pipe	45 00
Excavation below grade	9,562 50
Engineers' services	85 50
Frames and covers	288 00
Gasoline and kerosene	209 50
Laying pipe line	36,438 65
Lead	307 77
Leadite	2,815 34
Inspection of tests	52 39
Pipe, couplings, tees	117,925 93
Relocation of catch basins	8,544 70
Replacing pavement	51,165 48
Removing trees	51 36
Rental on equipment	440 00
Sewer basins	714 42
Sleeves, valves, etc.	12,338 40
Tools and miscellaneous	5,475 97

252,163 22

253,850 00

Amount carried forward \$12,109,117 22

Water Construction — *Concluded*

Amount brought forward \$12,109,117 22

STONY BROOK CONDUIT

Personal Service:

Employees \$5,420 08

Service other than Personal, Material, etc.:

Advertising and printing \$18 13

Cartage and freight 145 39

Engineer's services 500 00

Furnishing and installing oil heater 60 00

Gate valves 4,725 50

Inspection of pipe 375 32

Labor and material on drain, etc. 1,247 65

Drilling and moving equipment 437 50

Leadite 1,411 20

Lumber 10 97

Office rent 120 00

Oil 12 40

Pipe conduit in Waltham 4,594 50

Pipe, bends, etc. 54,691 17

Tools and miscellaneous 1,101 34

Use of automobile 156 88

Valves, nuts 303 20

69,911 15

75,331 23

REFUNDS

TAXES

Levy 1931 \$4,553 59

Levy 1930 4,250 66

Levy 1929 4 27

8,808 52

MOTOR VEHICLE EXCISE TAX

Motor excise tax of 1931 \$2,253 21

Motor excise tax of 1930 185 64

Motor excise tax of 1929 453 75

2,892 60

ASSESSMENTS

Sidewalk assessment of 1930 41

OLD AGE ASSISTANCE TAX

Old age assistance tax of 1931 1 00

WATER RATES AND CHARGES

Water annual rates \$570 95

Water metered rates 20 40

Miscellaneous charges 17 51

608 86

Amount carried forward \$12,196,759 84

Refunds — *Concluded*

Amount brought forward \$12,196,759 84

DEPARTMENTAL ACCOUNTS

Inspection of buildings	\$1 00	
Street department	4 25	
Park department	100 00	
License commission	6 00	
Health department	1 00	
		112 25

MISCELLANEOUS

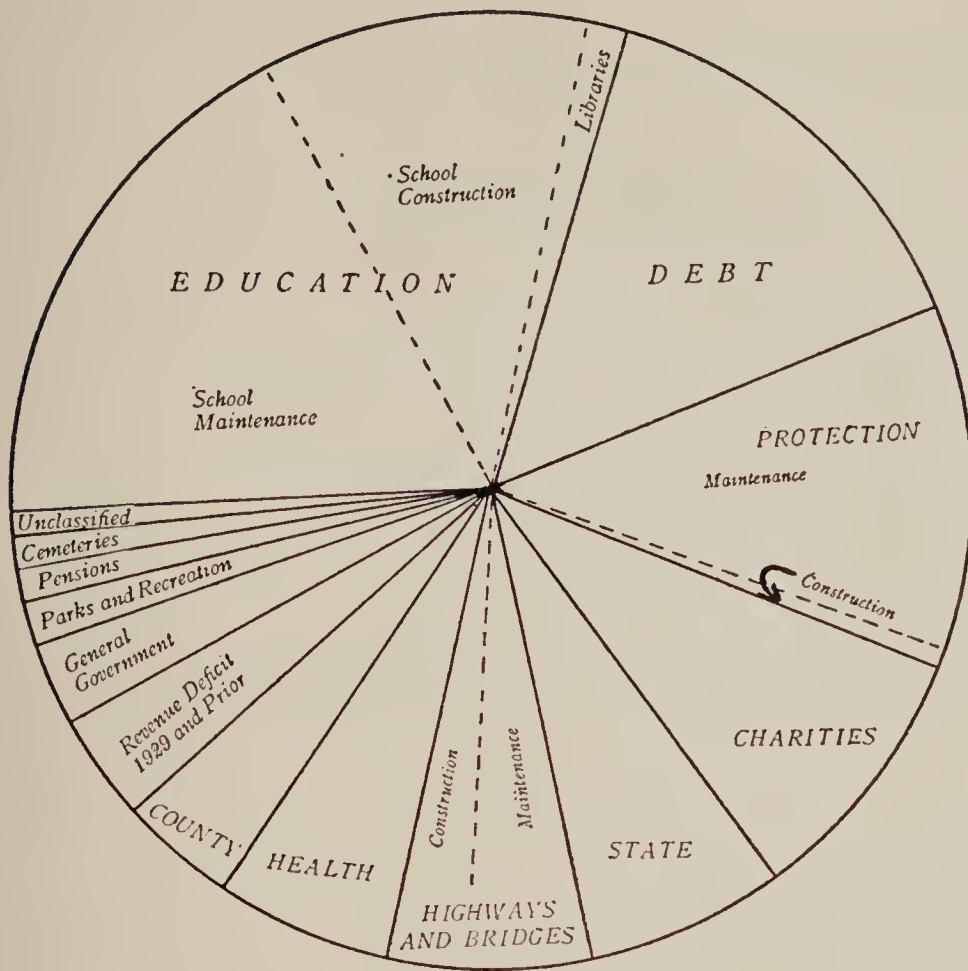
Interest on taxes	\$190 35	
Costs on taxes	15 85	
		206 20

DEPARTMENTAL APPROPRIATION

Treasurer	\$57 00	
License commission	10 00	
City clerk	25 00	
Law	7 50	
Police	100 00	
Health general	90 20	
Sewer maintenance	8,573 93	
Street sanitary	63 00	
Street maintenance	54,417 73	
Edgestones and sidewalks	480 00	
Municipal hospital	10 00	
Outside aid	2,886 17	
Mothers' aid	140 00	
Old age assistance	20 00	
Municipal pensions	171 77	
Soldiers' relief	1,505 00	
School	334 33	
Library	6 39	
Registered interest	60 00	
Water pumping	11 25	
Abraham Lincoln School construction	46 00	
Municipal hospital construction	224 25	
		69,239 52
Total		\$12,266,317 81
Book balance December 31, 1931		534,042 35
Grand Total		\$12,800,360 16

Name		Address		Occupation		Religion		Political Party		Social Status		Other	
John Smith		123 Main St		Teacher		Methodist		Republican		Middle Class		Married	
Mary Jones		456 Oak St		Homemaker		Catholic		Democrat		Lower Middle Class		Single	
Robert Brown		789 Pine St		Engineer		Protestant		Republican		Upper Middle Class		Married	
Elizabeth White		101 Elm St		Nurse		Baptist		Republican		Middle Class		Married	
James Wilson		202 Cedar St		Farmer		Methodist		Republican		Lower Class		Married	
Sarah Davis		303 Birch St		Retail Worker		Catholic		Democrat		Lower Middle Class		Single	
Michael Miller		404 Spruce St		Student		Protestant		Republican		Middle Class		Single	
Patricia Moore		505 Willow St		Teacher		Methodist		Republican		Middle Class		Married	
David Taylor		606 Ash St		Engineer		Baptist		Republican		Upper Middle Class		Married	
Jennifer Adams		707 Hickory St		Homemaker		Catholic		Democrat		Lower Middle Class		Single	
Christopher Baker		808 Sycamore St		Student		Protestant		Republican		Middle Class		Single	
Amanda Clark		909 Magnolia St		Retail Worker		Methodist		Democrat		Lower Middle Class		Single	
Nathan Evans		1010 Poplar St		Farmer		Baptist		Republican		Lower Class		Married	
Olivia Green		1111 Cherry St		Nurse		Catholic		Democrat		Middle Class		Married	
Ethan Hall		1212 Walnut St		Engineer		Protestant		Republican		Upper Middle Class		Married	
Sophia King		1313 Elm St		Homemaker		Methodist		Democrat		Lower Middle Class		Single	
Liam Lee		1414 Oak St		Student		Baptist		Republican		Middle Class		Single	
Isabella Lopez		1515 Pine St		Retail Worker		Catholic		Democrat		Lower Middle Class		Single	
Noah Miller		1616 Spruce St		Farmer		Protestant		Republican		Lower Class		Married	
Aria Moore		1717 Willow St		Nurse		Methodist		Democrat		Middle Class		Married	
Caleb Taylor		1818 Ash St		Engineer		Baptist		Republican		Upper Middle Class		Married	
Scarlett White		1919 Hickory St		Homemaker		Catholic		Democrat		Lower Middle Class		Single	
Elijah Wilson		2020 Sycamore St		Student		Protestant		Republican		Middle Class		Single	
Luna Davis		2121 Magnolia St		Retail Worker		Methodist		Democrat		Lower Middle Class		Single	
Mason Evans		2222 Poplar St		Farmer		Baptist		Republican		Lower Class		Married	
Hazel Green		2323 Cherry St		Nurse		Catholic		Democrat		Middle Class		Married	
Julian Hall		2424 Walnut St		Engineer		Protestant		Republican		Upper Middle Class		Married	
Violet King		2525 Elm St		Homemaker		Methodist		Democrat		Lower Middle Class		Single	
Sawyer Lee		2626 Oak St		Student		Baptist		Republican		Middle Class		Single	
Aurora Lopez		2727 Pine St		Retail Worker		Catholic		Democrat		Lower Middle Class		Single	
Grayson Miller		2828 Spruce St		Farmer		Protestant		Republican		Lower Class		Married	
Savannah Moore		2929 Willow St		Nurse		Methodist		Democrat		Middle Class		Married	
Silas Taylor		3030 Ash St		Engineer		Baptist		Republican		Upper Middle Class		Married	
Lyla White		3131 Hickory St		Homemaker		Catholic		Democrat		Lower Middle Class		Single	
Wyatt Wilson		3232 Sycamore St		Student		Protestant		Republican		Middle Class		Single	
Paisley Davis		3333 Magnolia St		Retail Worker		Methodist		Democrat		Lower Middle Class		Single	
Miles Evans		3434 Poplar St		Farmer		Baptist		Republican		Lower Class		Married	
Ariana Green		3535 Cherry St		Nurse		Catholic		Democrat		Middle Class		Married	
Casper Hall		3636 Walnut St		Engineer		Protestant		Republican		Upper Middle Class		Married	
Evelyn King		3737 Elm St		Homemaker		Methodist		Democrat		Lower Middle Class		Single	
Felix Lee		3838 Oak St		Student		Baptist		Republican		Middle Class		Single	
Gabriella Lopez		3939 Pine St		Retail Worker		Catholic		Democrat		Lower Middle Class		Single	
Hudson Miller		4040 Spruce St		Farmer		Protestant		Republican		Lower Class		Married	
Ivy Moore		4141 Willow St		Nurse		Methodist		Democrat		Middle Class		Married	
Jasper Taylor		4242 Ash St		Engineer		Baptist		Republican		Upper Middle Class		Married	
Kaitlyn White		4343 Hickory St		Homemaker		Catholic		Democrat		Lower Middle Class		Single	
Knox Wilson		4444 Sycamore St		Student		Protestant		Republican		Middle Class		Single	
Lillian Davis		4545 Magnolia St		Retail Worker		Methodist		Democrat		Lower Middle Class		Single	
Miles Evans		4646 Poplar St		Farmer		Baptist		Republican		Lower Class		Married	
Nora Green		4747 Cherry St		Nurse		Catholic		Democrat		Middle Class		Married	
Oscar Hall		4848 Walnut St		Engineer		Protestant		Republican		Upper Middle Class		Married	
Piper King		4949 Elm St		Homemaker		Methodist		Democrat		Lower Middle Class		Single	
Quinn Lee		5050 Oak St		Student		Baptist		Republican		Middle Class		Single	
Rebecca Lopez		5151 Pine St		Retail Worker		Catholic		Democrat		Lower Middle Class		Single	
Samuel Miller		5252 Spruce St		Farmer		Protestant		Republican		Lower Class		Married	
Tara Moore		5353 Willow St		Nurse		Methodist		Democrat		Middle Class		Married	
Ulysses Taylor		5454 Ash St		Engineer		Baptist		Republican		Upper Middle Class		Married	
Vivian White		5555 Hickory St		Homemaker		Catholic		Democrat		Lower Middle Class		Single	
Walter Wilson		5656 Sycamore St		Student		Protestant		Republican		Middle Class		Single	
Xenia Davis		5757 Magnolia St		Retail Worker		Methodist		Democrat		Lower Middle Class		Single	
Yusef Evans		5858 Poplar St		Farmer		Baptist		Republican		Lower Class		Married	
Zoe Green		5959 Cherry St		Nurse		Catholic		Democrat		Middle Class		Married	
Adam Hall		6060 Walnut St		Engineer		Protestant		Republican		Upper Middle Class		Married	
Bella King		6161 Elm St		Homemaker		Methodist		Democrat		Lower Middle Class		Single	
Caleb Lee		6262 Oak St		Student		Baptist		Republican		Middle Class		Single	
Diana Lopez		6363 Pine St		Retail Worker		Catholic		Democrat		Lower Middle Class		Single	

EXPENDITURE OF THE "TAX DOLLAR" 1931



Education:		
Schools, Maintenance	\$.183	
Schools, Construction	.108	
Libraries	.009	\$.30
Debt		.143
Protection:		
Maintenance	\$.119	
Construction	.003	.122
Charities		.092
Highways and Bridges:		
Maintenance	\$.042	
Construction	.029	.071
State		.07
Health		.06
County		.04
Revenue Deficit (1929 and prior)		.036
General Government		.03
Parks and Recreation		.014
Pensions		.01
Cemeteries		.007
*Unclassified		.005
		\$1.000

*Damages, Telephone Exchange, Game Warden, Rifle Range, Annual Documents, G. A. R. Headquarters, V. F. W. Headquarters, Celebrations.

Debt authorized during the year:

	<i>Rate Per Cent</i>	<i>Amount</i>
Alewife Brook, Fresh Pond Highway, outside, Metropolitan Assessment, Acts of 1928, Chapter 366, matures 1932-1941	3½	\$149,000 00
Street Construction Loans, inside, General Laws, Chapter 44, Section 7 (5), mature 1932-1941	3½	100,000 00
Street Construction Loans, inside, General Laws, Chapter 44, Section 7 (5), mature 1932-1941	4¼	100,000 00
Street Construction Loan, inside, General Laws, Chapter 44, Section 7(6), matures 1932-1936	3½	100,000 00
Water Construction Loan, outside, General Laws, Chapter 44, Section 8(6), matures 1932-1956	3½	590,000 00
School Construction and Equipment Loan: \$500,250 00 outside 166,750 00 inside Acts of 1928, Chapter 314, issued 1932, matures 1933-1947	5	667,000 00
		\$1,706,000 00

Debt matured during the year:

General Debt:	
Provided for by sinking fund	\$159,000 00
Provided for by tax levy and revenue	837,650 00
Water Debt:	
Provided for by water receipts	31,000 00
	\$1,027,650 00

Net Debt December 31, 1931

	<i>Outstanding</i>	<i>Sinking Fund</i>	<i>Net</i>
General Debt, Inside	\$3,972,400 00	\$264,950 00	\$3,707,450 00
General Debt, Outside	6,704,750 00	2,352,797 85	4,351,952 15
	\$10,677,150 00	\$2,617,747 85	\$8,059,402 15
Water Debt	\$1,382,000 00	\$397,500 00	\$984,500 00
Water Sinking Fund Surplus		34,956 57	



BORROWING CAPACITY

DECEMBER 31, 1931

	<i>Total Valuation</i>	<i>Abatements</i>	<i>Net Valuation</i>
1929 valuation	\$189,090,000 00	\$2,384,700 00	\$186,705,300 00
1930 valuation	190,759,700 00	1,840,200 00	188,919,500 00
1931 valuation	191,950,100 00	1,319,580 00	190,630,520 00
Motor vehicle valuation 1929	10,869,430 00	1,188,684 00	9,680,746 00
Motor vehicle valuation 1930	10,120,533 00	612,440 00	9,508,093 00
Motor vehicle valuation 1931	7,760,270 00	334,000 00	7,426,270 00
	\$600,550,033 00	\$7,679,604 00	\$592,870,429 00
Average net valuation			197,623,476 00
2½ per cent			4,940,586 90
Total debt December 31, 1931		\$10,677,150 00	
Loans exempt:			
Cambridge Bridge:			
Acts 1898, Ch. 467, Funded . .	\$1,366,000 00		
Acts 1908, Ch. 467, Serial . . .	28,000 00		
Cambridge Bridge Special:			
Acts 1904, Ch. 158, Funded . .	28,000 00		
Brookline Bridge Approach:			
Acts 1898, Ch. 467, Funded . .	25,000 00		
Commercial Avenue Bridge:			
Acts 1903, Ch. 372, Funded . .	50,000 00		
River Street Bridge:			
Acts 1921, Ch. 497, Serial . . .	83,000 00		
Western Avenue Bridge:			
Acts 1921, Ch. 497, Serial . . .	78,000 00		
Cottage Farm Bridge:			
Acts 1921, Ch. 497, Serial . . .	324,000 00		
Main Street and Broadway Widening:			
Acts 1926, Ch. 139, Serial . . .	174,000 00		
Acts 1929, Ch. 74, Serial	107,000 00		
Northern Traffic Route:			
Acts 1924, Ch. 489, Serial . . .	400,000 00		
Alewife Brook, Fresh Pond Highway:			
Acts 1928, Ch. 366 & Ch. 400			
Serial	149,000 00		
School:			
Acts 1928, Ch. 314, Serial . . .	862,250 00		
Hospital:			
Acts 1895, Ch. 99, Funded . . .	25,000 00		
City Hospital:			
Acts 1911, Ch. 545, Serial . . .	31,500 00		
Acts 1919, Ch. 103, Serial . . .	54,000 00		
Acts 1929, Ch. 73, Serial . . .	430,000 00		
Sewer:			
Acts 1899, Ch. 189 & Ch. 473,			
Funded	157,000 00		
Acts 1903, Ch. 383, Funded . .	267,000 00		
Acts 1903, Ch. 383, Serial . . .	478,000 00		
Gen. Laws, Ch. 92, Sec. 9,			
Serial	267,000 00		
Amount carried forward	\$5,383,750 00	\$10,677,150 00	\$4,940,586 90

Borrowing Capacity — *Concluded*

Amount brought forward \$5,383,750 00 \$10,677,150 00 \$4,940,586 90

Park:

Acts 1892, Ch. 341	}	Funded .	1,100,000 00
Acts 1893, Ch. 377			
Acts 1894, Ch. 89			
Acts 1897, Ch. 469			
Acts 1899, Ch. 221			
Acts 1912, Ch. 578	}		
Acts 1912, Ch. 578, Serial			
Metropolitan Park Assessment:			
Acts 1908, Ch. 367, Funded . .			46,000 00
Land for Playgrounds:			
Revised Laws, Ch. 27, Sec. 11,			
Funded			95,000 00
Revised Laws, Ch. 27, Sec. 11,			
Serial			46,000 00
			6,704,750 00

Total Debt, Inside \$3,972,400 00

Total Sinking Fund \$2,617,747 85

Less exempted loans:

Cambridge Bridge	\$862,206 78
Cambridge Bridge,	
Special	27,489 80
Brookline Bridge,	
Approach	14,878 23
Commercial Avenue	
Bridge	29,348 76
Hospital	25,000 00
Sewer, Improved	
System	157,000 00
Sewer, Separate	
System	210,056 90
Park	914,444 64
Metropolitan Park	
Assessment . . .	46,000 00
Land for Play-	
grounds	66,372 74

2,352,797 85

Sinking Fund, Inside 264,950 00

Net Debt Inside, December 31, 1931

3,707,450 00

Less loan authorized November 24, 1931 (Rindge School) \$1,233,136 90
166,750 00

Borrowing Capacity December 31, 1931 \$1,066,386 90

TRUST FUNDS

WEBSTER THIERRY SCHOOL FUND

A donation in the amount of \$300 by Mrs. Louis J. Thierry in memory of her son, Webster Thierry, who died while a student at Latin School. The income to be expended for a prize, to be known as the Webster Thierry prize, to the boy in the graduating class who has been outstanding, especially in his interest in debating and related work.

WILLIAM PENN HARDING FUND

A bequest to the City of Cambridge under the will of William Penn Harding in the amount of \$1,000, the income to be expended by the Trustees of the Public Library for the purchase of recent books on science, art or travel of a popular and instructive character. To be designated the William Penn Harding Fund, which designation shall be printed in all the books so purchased.

JOHN WESLEY FREESE FUND

This is a fund in the amount of \$89.36 bequeathed by the late John Wesley Freese in November, 1914. The fund is to accumulate for twenty years, after which time a sum not in excess of three-fourths of the annual income is to be expended for books or works of art for the Houghton School.

SARAH E. RUSSELL FUND

A bequest to the City of Cambridge, under the will of Sarah E. Russell, in the amount of \$814.41, the income to be expended annually in, or towards, providing a Christmas tree or Christmas gifts and entertainments for the inmates of the City Infirmary. Mrs. Russell was the widow of Hon. Charles Theodore Russell and the mother of Hon. William Eustis Russell, each of whom served the City as Mayor, and the grandmother of Hon. Richard Manning Russell, the present Mayor.

BRIDGE CHARITABLE FUND

Founded by the late Levi Bridge of Cambridge, in his lifetime, by a deed of trust dated August 12, 1875, and upon his death, April 15, 1876, the fund came under the control of the City. In October, 1877, Samuel F. Bridge, a relative of the founder, donated a sum sufficient to double the original fund. One-third of the annual income is added to the principal, the remainder expended by the Board of Public Welfare.

REVEREND PATRICK H. CALLANAN FUND

A gift in the amount of \$2,000 by Reverend Patrick H. Callanan, pastor of St. Peter's Roman Catholic Church, the principal to be invested and the income to be expended annually for a "feast day" on December 18 for the inmates of the City Infirmary.

EDWARD L. KINGMAN SCHOLARSHIP FUND

A bequest in the amount of \$1,700 under the will of Alice M. Kingman, "the income to be paid annually to the student who graduated from the Cambridge High School or the Cambridge Latin School with the highest grade, during his first year in college. If the pupil who graduated with the highest grade does not go to college, the income shall be paid to the pupil with the highest grade who does go to college. This fund shall be known as the Edward L. Kingman Scholarship."

CEMETERY PERPETUAL CARE FUND

Held in trust by the City, comprising amounts received from proprietors of lots in Cambridge Cemetery for perpetual care of the respective lots.

All of the above funds are in the custody of the City Treasurer.

Trust Funds — *Concluded*

The following funds are in the custody of the Trustees of the Public Library:

CITIZENS' SUBSCRIPTION FUND

In 1899 a committee of citizens raised, by subscription, a fund for the purchase of books at the time the new Public Library building was opened. The unexpended balance, \$5,500, was invested and the income is used for the same purpose.

CUMMINGS FUND

A bequest under the will of Daniel P. Cummings, who died May 3, 1889, in the amount of \$2,000, the income to be expended for non-sectarian books for the Public Library.

FAY FUND

A bequest under the will of Isaac Fay, who died December 20, 1872, in the amount of \$1,000 to the Dana Library, now the Cambridge Public Library, the income to be expended for books for said library.

WILLIAM SAUNDERS FUND

Bequest under the will of Abigail L. Prentiss: the residuary estate, after the termination of certain annuities, was paid to the Trustees of the Public Library to be invested, the income to be expended for the purchase and care of books to be placed in the William E. Saunders Alcove.

JAMES A. WOOLSON FUND

Bequest under the will of James A. Woolson in the amount of \$5,000, the income to be expended for the purchase of books, an appropriate bookplate to be placed in each book.

CITIZEN OF CAMBRIDGE FUND

Principal of fund, \$7,400. Donated by a citizen of Cambridge, \$3,000 in 1923, \$2,000 in 1924 and \$2,400 in 1926. The income on \$1,000 to be expended for the purchase of books on art, the income on the balance to be expended for the work of Americanization and the purchase of books for the library.

CONDITION OF THE TRUST FUNDS

December 31, 1931

WEBSTER THIERRY FUND

In Custody of Treasurer

	<i>Cash</i>	<i>Savings Deposits</i>	<i>Total</i>
On hand April 1, 1931	\$5 50	\$339 40	\$344 90
On hand December 31, 1931 . .		338 99	338 99
	<i>Receipts</i>	<i>Payments</i>	
Income	\$16 34	Transferred to City	\$22 25
Withdrawn from savings bank	41		
Cash on hand April 1, 1931 . .	5 50		
Total	<u>\$22 25</u>	Total	<u>\$22 25</u>

WILLIAM PENN HARDING LIBRARY FUND

In Custody of Treasurer

	<i>Savings Deposits</i>	<i>Total</i>	
On hand April 1, 1931	\$1,000 00	\$1,000 00	
On hand December 31, 1931	1,000 00	1,000 00	
<i>Receipts</i>		<i>Payments</i>	
Income	\$47 50	Transferred to City	\$47 50
Total	<u>\$47 50</u>	Total	<u>\$47 50</u>

JOHN WESLEY FREESE FUND

In Custody of Treasurer

	<i>Savings Deposits</i>	<i>Total</i>
On hand April 1, 1931	\$184 42	\$184 42
On hand December 31, 1931	184 42	184 42

Trust Funds — *Continued*

SARAH E. RUSSELL FUND

In Custody of Treasurer

	<i>Savings Deposits</i>	<i>Total</i>
On hand April 1, 1931	\$834 76	\$834 76
On hand December 31, 1931	814 41	814 41

<i>Receipts</i>		<i>Payments</i>	
Income	\$20 84	Transferred to City	\$41 20
Withdrawn from savings bank	20 35		
Total	\$41 20	Total	\$41 20

BRIDGE CHARITABLE FUND

In Custody of Treasurer

	<i>Cash</i>	<i>Savings Deposits</i>	<i>Total</i>
On hand April 1, 1931	\$98 80	\$3,306 40	\$3,405 20
On hand December 31, 1931 ..		3,439 96	3,439 96

<i>Receipts</i>		<i>Payments</i>	
Income	\$133 56	Added to savings deposits ..	\$133 56
Cash on hand April 1, 1931 ..	98 80	Transferred to City	98 80
Total	\$232 36	Total	\$232 36

Two-thirds of income transferred to City January 1932.

REVEREND PATRICK H. CALLANAN JUBILEE DAY FUND

In Custody of Treasurer

	<i>Savings Deposits</i>	<i>Total</i>
On hand April 1, 1931	\$2,000 00	\$2,000 00
On hand December 31, 1931 ..	2,000 00	2,000 00

<i>Receipts</i>		<i>Payments</i>	
Income	\$33 33	Transferred to City	\$33 33
Total	\$33 33	Total	\$33 33

EDWARD KINGMAN FUND

In Custody of Treasurer

	<i>Savings Deposits</i>	<i>Total</i>
On hand December 1, 1931	\$1,719 13	\$1,719 13

<i>Receipts</i>		<i>Payments</i>	
Bequest, July 28, 1931	\$1,700 00	Deposited in savings bank.	\$1,700 00
Income	19 13	Added to savings deposits.	19 13
Total	\$1,719 13	Total	\$1,719 13

Trust Funds — Continued

CEMETERY PERPETUAL CARE TRUST FUND

	<i>Cash</i>	<i>Securities Par Value</i>	<i>Savings Deposits</i>	<i>Total</i>
On hand April 1, 1931	\$3,378 95	\$222,700 00		\$226,078 95
On hand December 31, 1931		206,700 00	\$9,743 67	216,443 67

<i>Receipts</i>		<i>Payments</i>	
Securities sold, par value..	\$123,000 00	Deposited in savings banks	\$9,743 67
Premiums on securities sold	2,038 13	Securities purchased, par value	107,000 00
Accrued interest, securi- ties sold	234 29	Premiums on securities purchased	9,536 60
Income	6,050 76	Accrued interest, securi- ties purchased	400 52
Bequests	7,734 60	Refunded to City, cash used to purchase securi- ties in 1930-1931	2,155 04
Deeds in trust	10 00	Transferred to City:	
Due City, over deposit in savings bank	50	Income 1930-1931	7,726 53
Cash on hand April 1, 1931.	3,378 95	Income 1931	5,884 87
Total	\$142,447 23	Total	\$142,447 23

MUNICIPAL LOANS SINKING FUND

	<i>Cash</i>	<i>Securities Par Value</i>	<i>Total</i>
On hand April 1, 1931	\$53,186 29	\$2,639,500 00	\$2,692,686 29
On hand December 31, 1931	52,247 85	2,565,500 00	2,617,747 85

<i>Receipts</i>		<i>Payments</i>	
Securities sold, or matured, par value	\$254,000 00	Securities purchased, par value	\$180,000 00
Premiums on securities sold	484 38	Premiums on securities purchased	2,458 53
Accrued interest, securi- ties sold	699 48	Accrued interest, securities purchased	1,407 72
Discount on securities purchased	2,197 97	Discount on securities sold	70 13
Income	84,566 29	To City, retirement of debt	159,000 00
Income credited to water loan in error	50 00	Cash on hand December 31, 1931	52,247 85
Cash on hand April 1, 1931.	53,186 29	Total	\$395,184 41
Total	\$395,184 41	Total	\$395,184 41

Trust Funds — Continued

WATER LOAN SINKING FUND

	Cash	Securities Par Value	Total
On hand April 1, 1931	\$7,767 35	\$413,000 00	\$420,767 35
On hand December 31, 1931	7,456 57	425,000 00	432,456 57
<i>Receipts</i>		<i>Payments</i>	
Securities sold or matured, par value	\$28,000 00	Securities purchased, par value	\$40,000 00
Accrued interest, securities sold	44 27	Premiums, securities pur- chased	893 50
Discount securities sold . . .	242 18	Accrued interest, securities purchased	157 29
Income	12,503 56	To municipal loans fund, income credited to water loans in error	50 00
Cash on hand, April 1, 1931	7,767 35	Cash on hand December 31, 1931	7,456 57
Total	\$48,557 36	Total	\$48,557 36

CITIZENS' SUBSCRIPTION FUND

In Custody of Library Trustees

	<i>Cash</i>	<i>Savings Deposits</i>	<i>Securities Par Value</i>	<i>Total</i>
On hand April 1, 1931	\$80 29	\$500 00	\$5,000 00	\$5,580 29
On hand December 31, 1931	157 56	500 00	5,000 00	5,567 56
<i>Receipts</i>		<i>Payments</i>		
Income*	\$236 28	Expended		\$159 01
Cash on hand April 1, 1931	80 29	Cash on hand December 31, 1931		157 56
Total	\$316 57	Total		\$316 57

CUMMINGS FUND

In Custody of Library Trustees

	Cash	Securities Par Value	Total
On hand April 1, 1931	\$127 42	\$2,000 00	\$2,147 42
On hand December 31, 1931	212 42	2,000 00	2,112 42
<i>Receipts</i>		<i>Payments</i>	
Income	\$85 00	Cash on hand December 31, 1931	\$212 42
Cash on hand April 1, 1931	127 42	Total	\$212 42

* No dividend on savings deposit July 1, 1931 to December 31, 1931. Bank closed December 15, 1931.

Trust Funds — Continued

FAY FUND

In Custody of Library Trustees

	<i>Cash</i>	<i>Savings Deposits</i>	<i>Total</i>
On hand April 1, 1931	\$47 77	\$1,000 00	\$1,047 77
On hand December 31, 1931	72 77	1,000 00	1,072 77

<i>Receipts</i>		<i>Payments</i>	
Income	\$25 00	Cash on hand December 31, 1931	\$72 77
Cash on hand April 1, 1931	47 77		
Total	\$72 77	Total	\$72 77

SAUNDERS FUND

In Custody of Library Trustees

	<i>Cash</i>	<i>Savings Deposits</i>	<i>Securities Par Value</i>	<i>Total</i>
On hand April 1, 1931	\$341 56	\$1,068 37	\$7,000 00	\$8,409 93
On hand December 31, 1931	285 58	1,068 37	7,000 00	8,353 95

<i>Receipts</i>		<i>Payments</i>	
Income	\$297 50	Expended	\$353 48
Cash on hand April 1, 1931	341 56	Cash on hand December 31, 1931	285 58
Total	\$639 06	Total	\$639 06

WOOLSON FUND

In Custody of Library Trustees

	<i>Cash</i>	<i>Securities Par Value</i>	<i>Total</i>
On hand April 1, 1931	\$357 97	\$5,000 00	\$5,357 97
On hand December 31, 1931	299 29	5,000 00	5,299 29

<i>Receipts</i>		<i>Payments</i>	
Income	\$212 50	Expended	\$271 18
Cash on hand April 1, 1931	357 97	Cash on hand December 31, 1931	299 29
Total	\$570 47	Total	\$570 47

Trust Funds — Continued

CITIZEN OF CAMBRIDGE FUND

In Custody of Library Trustees

	<i>Cash</i>	<i>Savings Deposits</i>	<i>Securities Par Value</i>	<i>Total</i>
On hand April 1, 1931	\$1,597 35	\$4,400 00	\$3,000 00	\$8,997 35
On hand December 31, 1931	1,812 84	4,400 00	3,000 00	9,212 84
<i>Receipts</i>				
Income*	\$215 49	<i>Payments</i>		
Cash on hand April 1, 1931	1,597 35	Cash on hand December 31, 1931		\$1,812 84
Total	\$1,812 84	Total		\$1,812 84

* No dividend on savings deposit July 1, 1931 to December 31, 1932. Bank closed December 15, 1931.

WHORF FUND

In Custody of Library Trustees

	<i>Cash</i>	<i>Savings Deposits</i>	<i>Securities Par Value</i>	<i>Total</i>
On hand April 1, 1931	\$217 96	\$68 75	\$3,000 00	\$3,286 71
On hand December 31, 1931	346 81	85 00	3,000 00	3,431 81
<i>Receipts</i>				
Securities sold, par value . .	\$1,000 00	<i>Payments</i>		
Premium on securities sold	2 50	Securities purchased, par value		\$1,000 00
Accrued interest on securities sold	4 58	Added to savings deposits .		16 25
Discount on securities pur- chased	16 25	Cash on hand December 31, 1931		346 81
Income	121 77			
Cash on hand April 1, 1931 .	217 96			
Total	\$1,363 06	Total		\$1,363 06

HOWE FUND

In Custody of Library Trustees

	<i>Cash</i>	<i>Securities Par Value</i>	<i>Total</i>
On hand April 1, 1931	\$134 14	\$3,000 00	\$3,134 14
On hand December 31, 1931	76 64	3,000 00	3,076 64
<i>Receipts</i>			
Cash on hand April 1, 1931	\$134 14	<i>Payments</i>	
		Expended	\$57 50
		Cash on hand December 31, 1931	76 64
Total	\$134 14	Total	\$134 14

No income recorded, coupons not cut.

Trust Funds — *Concluded*MURDOCK FUND
In Custody of Library Trustees

	<i>Cash</i>	<i>Savings Deposits</i>	<i>Total</i>
On hand April 1, 1931	\$289 51	\$2,000 00	\$2,289 51
On hand December 31, 1931	339 51	2,000 00	2,339 51
	<i>Receipts</i>	<i>Payments</i>	
Income	\$50 00	Cash on hand December 31,	
Cash on hand April 1, 1931	289 51	1931	\$339 51
Total	\$339 51	Total	\$339 51

WILSON FUND
In Custody of Library Trustees

		<i>Savings Deposits</i>	<i>Total</i>
On hand April 1, 1931		\$1,102 96	\$1,102 96
On hand December 31, 1931		1,187 05	1,187 05
	<i>Receipts</i>	<i>Payments</i>	
Income	\$84 09	Added to savings deposits	\$84 09

HARDING FUND INCOME
In Custody of Library Trustees

	<i>Cash</i>	<i>Total</i>
On hand April 1, 1931	\$ 61	\$ 61
On hand December 31, 1931	50 61	50 61
	<i>Receipts</i>	<i>Payments</i>
From City	\$50 00	Cash on hand December 31,
Cash on hand April 1, 1931	61	1931
Total	\$50 61	Total

BALANCE SHEET

December 31, 1931

REVENUE ACCOUNTS

		<i>Assets</i>		<i>Liabilities</i>	
Cash.....					
Accounts Receivable:					
Taxes:					
Levy of 1923.....				\$496 17	
Levy of 1927.....	86 71			110 02	
Levy of 1928.....	36,664 74			134 06	
Levy of 1929.....	55,024 73			20 79	
Levy of 1930.....	31,882 31			45 38	
Levy of 1931.....	80,622 32				806 42
Assessments:	1,799,732 81				24 02
Unapportioned Sewer.....		\$68 00			5,275 22
Sewer added to Taxes, 1931.....		1,973 64			
Committed Interest, Sewer.....		118 00			
Unapportioned Sidewalk.....		\$752 54			
Sidewalk added to Taxes, 1930..		469 91			
Sidewalk added to Taxes, 1931..		2,483 07			
Committed Interest, Sidewalk...		192 74			
Old Age Assistance Tax, 1931.....					4,899 76
Motor Vehicle Excise Tax, 1929...					757 00
Motor Vehicle Excise Tax, 1930...					1,580 96
Motor Vehicle Excise Tax, 1931...					16 30
Tax Titles.....					150 98
Departmental:					
Auditing.....				\$47 50	
Health.....				22 80	
Sewer Maintenance.....				98 80	
Street.....					169 10
Public Welfare.....					212,971 37
Appropriation Balances.....					
Reserved for Appropriation,					
Chapter 43, Acts of 1931.....					860,952 78
Cemetery Perpetual Care Deposits....					50
Treasurer's Cash Variations (H.F.L.)..					484 77
Collector's Cash Variations (H.F.L.)..					124 80

[illegible]

BALANCE SHEET — Continued

DEFERRED ACCOUNTS

Sewer Assessments, Apportioned, Not Due.....		
	\$6,224 79	
Apportioned Sewer Assessment Revenue:		
Due 1932.....		\$746 87
Due 1933.....		734 78
Due 1934.....		723 67
Due 1935.....		723 67
Due 1936.....		690 34
Due 1937.....		690 33
Due 1938.....		676 41
Due 1939.....		619 36
Due 1940.....		619 36
	<u>\$6,224 79</u>	

Sidewalk Assessments, Apportioned, Not Due.....		
	\$2,064 80	
Apportioned Sidewalk Assessment Revenue:		
Due 1932.....		\$740 11
Due 1933.....		495 55
Due 1934.....		276 82
Due 1935.....		178 75
Due 1936.....		119 86
Due 1937.....		95 62
Due 1938.....		69 79
Due 1939.....		64 67
Due 1940.....		23 63
	<u>\$2,064 80</u>	

DEBT ACCOUNTS — GENERAL DEBT

Assets

Commissioners of Sinking Fund, Outside Debt Limit.....
 Net Funded Debt, Outside Debt Limit

\$2,352,797 85
 4,351,952 15

Sinking Fund, Outside:

Improved Sewer System Loans..... \$157,000 00
 Separate System Drainage Loans... 267,000 00
 Cambridge Bridge Loans..... 1,394,000 00
 Commercial Avenue Bridge Loan... 50,000 00
 Brookline Bridge Approach Loan... 25,000 00
 Hospital Loans..... 25,000 00
 Park Loans..... 1,100,000 00
 Land for Playground Loans..... 95,000 00
 Metropolitan Park Assessment Loan 46,000 00

Serial, Outside:

Sewer, Separate System Loans..... 745,000 00
 Street Loans..... 830,000 00
 Bridge Loans..... 513,000 00
 Hospital Loans..... 515,500 00
 School Loans..... 862,250 00
 Park Loan..... 34,000 00
 Land for Playground Loans..... 46,000 00

\$6,704,750 00

Commissioners of Sinking Fund, Inside Debt Limit.....
 Net Funded Debt, Inside Debt Limit

264,950 00
 3,707,450 00

Sinking Fund, Inside:

Sewer, General Loans..... 223,000 00
 Street Loans..... 34,450 00
 School Loans..... 7,500 00

3,972,400 00

Serial, Inside:

Sewer, General Loans..... 208,000 00
 Street Loans..... 2,059,200 00
 Bridge Loans..... 122,000 00
 Building Loans..... 690,000 00
 School Loans..... 553,250 00
 Departmental Equipment Loans... 50,000 00

Demand Note, Daniel White Charity Fund Trustees.....

5,000 00

Contract, Dowse Institute Fund Trustees.....

10,000 00

Sanders Temperance Fund (principal used by City).....

10,000 00

3,972,400 00

\$10,677,150 00

\$10,677,150 00

BALANCE SHEET — Concluded

Assets		WATER DEBT		Liabilities	
Commissioners of Water Sinking Fund	\$432,456 57	Water Loans, Sinking Fund.....	\$397,500 00		
Net Funded Water Debt.....	984,500 00	Water Sinking Fund Surplus.....	34,956 57		
		Water Loans, Serial.....	984,500 00		
					\$1,416,956 57
Trust Funds in custody of Treasurer		TRUST ACCOUNTS			
		\$225,940 57			
		Bridge Charity Fund.....	\$3,439 96		
		John W. Freese Fund.....	184 42		
		William Penn Harding Fund.....	1,000 00		
		Webster Thierry Fund.....	338 99		
		Sarah E. Russell Fund.....	814 40		
		Rev. Patrick H. Callanan Fund.....	2,000 00		
		Edward L. Kingman Fund.....	1,719 13		
		Cemetery Funds:			
		Perpetual Care.....	\$198,586 01		
		Perpetual Care (six			
		per cent guarantee).	7,700 00		
		Perpetual Care, Income	9,585 66		
		Deeds in Trust.....	572 00		
				216,443 67	
					\$225,940 57
Trust Funds in custody of Trustees					
of Public Library.....	\$42,194 45	Citizens' Subscription			
Trustees of Daniel White Charity		Library Fund.....	5,657 56		
Fund.....	10,360 00	Isaac Fay Library Fund.....	1,072 77		
Trustees of Dowse Institute Fund....	10,000 00	William Penn Harding Fund Income	50 61		
		William E. Saunders Library Fund....	8,653 95		
		James A. Woolson Library Fund.....	5,299 29		

CITY PROPERTY

EXECUTIVE

3 Roll top desks.....	\$75 00
1 Flat desk	50 00
2 Desk chairs.....	15 00
2 Typewriters.....	150 00
2 Typewriter chairs.....	15 00
2 Metal files.....	100 00
1 Large flat table.....	50 00
1 Small flat table.....	15 00
5 Large chairs.....	150 00
3 Lounges	150 00

\$770 00

AUDITING

6 Desks	\$100 00
1 Table.....	10 00
10 Chairs.....	20 00
3 Adding machines.....	150 00
3 Typewriters.....	75 00
1 Bookkeeping machine and filing cabinet.....	300 00
Miscellaneous forms, payrolls, bill schedules, etc....	25 00
Miscellaneous filing cabinets.....	50 00
Office supplies.....	5 00
1 Time stamp.....	30 00
1 Dating stamp.....	5 00

770 00

TREASURY

14 Desks.....	\$35 00
17 Chairs.....	75 00
1 Book-truck.....	10 00
2 Adding machines.....	125 00
2 Typewriters.....	30 00
1 Sealing machine.....	30 00
6 Metal cabinets.....	230 00
3 Wooden filing cabinets.....	30 00
1 Cash register machine.....	1,000 00
1 Cashier's cash holder.....	35 00
1 Protectograph.....	80 00
4 Safes.....	
Several metallic cabinets.....	
Several metallic casings.....	

1,680 00

Amount carried forward..... \$3,220 00

List of City Property — Continued

Amount brought forward..... \$3,220 00

CITY CLERK

1	Wooden letter file.....	\$5 00
1	Swivel book rack.....	5 00
3	Leather office chairs.....	15 00
3	Old typewriter chairs.....	15 00
5	Office chairs.....	30 00
1	Wooden supply file.....	10 00
2	Steel files for contracts.....	100 00
1	Steel file for business certificates.....	75 00
1	Steel file for bonds.....	75 00
1	Steel file for legal papers.....	75 00
	Law books.....	5,000 00
1	New typewriter desk.....	50 00
1	New typewriter chair, steel.....	19 00
6	Typewriters.....	180 00
1	Typewriter.....	100 00
5	Typewriter desks.....	125 00
3	Roll top desks.....	45 00
2	Flat top desks.....	30 00
2	Typewriter tables.....	5 00
3	Bookcases for law books.....	150 00
1	Wardrobe.....	15 00
2	Paper cabinets.....	5 00
	Steel files for birth index.....	300 00
	Steel containers for vital statistics.....	150 00
	Steel containers for City Council papers.....	100 00
1	Wooden file for newspapers.....	10 00
1	Steel file for newspapers.....	10 00
1	Wooden cabinet for directories.....	15 00

6,714 00

LAW

1	Typewriter.....	\$50 00
1	Stenographer's chair.....	5 00
1	Desk in City Hall.....	5 00
4	Filing cabinets.....	45 00
	Miscellaneous office supplies.....	5 00
	Books.....	25 00

135 00

ELECTION COMMISSION

	Voting booth, Norfolk and Hampshire Streets.....	\$125 00
6	Portable voting booths.....	1,500 00
	Voting compartments and fixtures, 53 precincts....	1,600 00
5	Metal filing cabinets.....	415 00
1	Metal cabinet.....	75 00

Amount carried forward..... \$3,715 00 \$10,069 00

List of City Property — Continued

<i>Amount brought forward</i>	\$3,715 00	\$10,069 00
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Election Commission — Concluded

1 Safe.....	150 00	
1 Royal typewriter.....	65 00	
1 Remington typewriter.....	20 00	
1 Remington long-carriage typewriter.....	125 00	
2 Typewriter desks.....	25 00	
1 Rolltop desk.....	20 00	
1 Adding machine.....	70 00	
3 Time stamps.....	6 00	
5 Large metal filing cases.....	300 00	
Metal counters and four metal turn-tables.....	425 00	
1 Typewriter stand.....	20 00	
2 Wooden filing cases.....	10 00	
4 Metal tables.....	80 00	5,031 00

ENGINEERING

8 Books at \$3 each.....	\$24 00	
48 Volumes engineering papers at \$2.50 each.....	115 00	
4 Logarithm books at \$2 each.....	8 00	
15 Atlases.....	75 00	
1 Pantagraph.....	10 00	
2 Planimeters at \$20 each.....	40 00	
2 Numbering machines at \$5 each.....	10 00	
1 Burroughs adding machine.....	25 00	
1 Typewriter.....	50 00	
Drawing instruments, pens, compasses, etc.....	25 00	
Drawing materials and paper.....	25 00	
Wye level.....	50 00	
Locke level.....	5 00	
Dunpy level.....	40 00	
2 Transits at \$50 each.....	100 00	
Level, line and sounding rods.....	45 00	
4 Tapes.....	20 00	
Testing pans, moulds, etc.....	10 00	
2 Cement-testing machines.....	10 00	
1 Electric motor.....	8 00	
Furniture in office.....	200 00	
Photograph outfit.....	50 00	
Rain gauges, standard and self-recording.....	75 00	
Plans (estimated value), 14,461 at \$10 each.....	144,610 00	
499 Survey, line and level books (estimated value at \$20)	9,980 00	
76 House books (estimated value).....	760 00	
Post drill.....	10 00	
Emery wheel.....	10 00	
1 Blue print machine.....	100 00	
1 Chevrolet touring car, 1928 model.....	50 00	156,540 00
<i>Amount carried forward</i>		\$171,640 00

List of City Property — Continued

Amount brought forward..... \$171,640 00

BUILDING

1 Buick sedan..... \$440 00
 1 Chevrolet touring car..... 200 00

640 00

Valuation

of Land

Buildings

Furniture

City Hall..... \$100,000 00 \$180,000 00 \$34,800 00
 Brattle Square Building... 35,700 00 60,000 00 2,500 00
 Central Square Building.. 13,000 00 60,000 00 2,436 00
 Station No. 3..... 2,500 00 17,800 00 800 00
 Station No. 4..... 5,600 00 21,200 00 300 00

\$156,800 00 \$339,000 00 \$40,836 00 536,636 00

POLICE

3 Ambulances..... \$1,200 00
 8 Automobiles..... 2,200 00
 2 Auto B-guns..... 79 40
 4 Bookcases..... 20 00
 19 Blankets..... 38 00
 1 Bertillon book..... 1 00
 1 Camera and stand..... 75 00
 77 Chairs..... 308 00
 9 Clocks..... 25 00
 7 Directories..... 84 00
 255 Diaries..... 319 00
 4 Desk lamps..... 16 00
 9 Filing cabinets..... 395 00
 4 Flat desks..... 200 00
 12 Desks (otherwise)..... 240 00
 6 Fingerprint outfits..... 12 00
 250 Fire alarm keys..... 75 00
 9 Fire ropes..... 27 00
 1 Electric fan..... 20 00
 2 Grappling irons..... 2 00
 3 Hand hoses..... 3 00
 250 Hat badges..... 250 00
 5 Ice water tanks..... 37 50
 22 Ink stands..... 11 00
 33 Lanterns..... 33 00
 3 Lungmotors..... 300 00
 3 Medicine cabinets..... 15 00
 8 Motorcycles..... 1,600 00
 3 Messenger bags..... 9 00

Amount carried forward..... \$7,594 90 \$708,916 00

List of City Property — Continued

Amount brought forward..... \$7,594 90 \$708,916 00

Police — Concluded

1 Operating table.....	4 00	
1 Private telephone system	200 00	
10 Pair handcuffs.....	40 00	
1 Pair leg irons.....	7 00	
250 Police badges.....	250 00	
250 Police clubs.....	250 00	
2 Pulmotors.....	20 00	
270 Police keys.....	135 00	
1 Rug.....	30 00	
250 Revolvers.....	5,000 00	
250 Rules and regulations.....	60 00	
3 Safes.....	45 00	
3 Steel lockers.....	50 00	
6 Sets law books.....	30 00	
3 Strait-jackets.....	9 00	
4 First-aid charts.....	20 00	
4 Searchlights	50 00	
50 Traffic lights.....	162 00	
5 Typewriters.....	450 00	
3 Tables.....	12 00	
4 Wardrobes.....	20 00	
2 Steel bookcases.....	250 00	
12 Waste baskets.....	12 00	
16 Steel cabinets.....	900 00	15,600 90

FIRE

Buildings	Location	Land	Buildings	
Engine House No. 2	384 Mass. Ave. }	\$35,000 00	\$24,000 00	
Ladder House No. 3	391 Mass. Ave. }			
Engine House No. 3	35 Third St.	6,600 00	20,400 00	
Engine House No. 4	2029 Mass. Ave.	9,200 00	24,900 00	
Engine House No. 6	176 River St.	3,000 00	12,000 00	
Engine House No. 7	350 Main Street	15,500 00	15,900 00	
Engine House No. 8	Junction of Garden and Sherman Sts.	3,600 00	30,000 00	
Ladder House No. 4				
Engine House No. 9	167 Lexington Ave.	4,900 00	6,200 00	
Ladder House No. 2	276 Portland St.	4,900 00	12,000 00	
		\$82,700 00	\$145,400 00	228,100 00

PERSONAL PROPERTY

Apparatus.....	\$240,888 00	
Bedding, etc.....	9,000 00	
Hardware and tools.....	1,000 00	
Miscellaneous.....	2,000 00	
Hose, hose pipes, deck guns, and water tower pipes.....	13,000 00	265,888 00
Amount carried forward.....		\$1,281,504 90

List of City Property — Continued

Amount brought forward..... \$1,281,504 90

SEALER OF WEIGHTS AND MEASURES

Miscellaneous books.....	\$200 00
1 Plush robe.....	6 00
1 Balance scale.....	88 69
1 Platform scale, 1-2 to 2,500 pounds.....	75 00
1 Folding platform scale, 1-4 to 600 pounds.....	30 00
1 Balance, 1-10th milligramme to 500 grammes.....	35 00
1 Balance 1-50th grain to 1-2 pound.....	15 00
1 Sealer's balance 1 grain to 1-2 pound.....	150 00
2 Leather tool bags.....	9 50
1 Sealer's balance, 1 grain to 8 pounds.....	50 00
2 Sealer's trip scales (not used).....	5 00
1 Spring scale, 1 pound to 125 pounds.....	1 00
2 Sets (19) avoirdupois weights, 1-8 ounce to 4 pounds	10 00
1 Set (9) Troy weights, 16 ounces to 1-8 ounce.....	3 00
1 Set (13) metric weights, 1 kilo to 1 gramme.....	5 00
5 Boxes miscellaneous weights (not standardized)....	10 00
1 Set (3) iron weights, 125 pounds, 10 pounds, 5 pounds	5 00
40 50-pound weights.....	100 00
1 Arch.....	2 00
3 Glass graduates.....	1 00
1 Set (21) grain weights, 1000 to 1-1000 gramme....	13 50
1 Set (21) metric weights, 50 grammes to 1-10 gramme	13 50
1 Set (5) copper dry measures, 1-2 bushel to 1 quart..	45 00
1 Set (3) brass dry measures, 1 quart to 1-2 pint.....	5 00
2 Sets (14) copper liquid measures, 1 gallon to 1 gill..	30 00
1 Yard measure.....	1 50
1 Iron truck.....	5 00
1 5-gallon copper measure.....	15 00
1 Steel tape.....	10 00
1 Pair inside calipers.....	3 50
1 Set brands.....	3 00
1 Plumber's furnace.....	5 00
Miscellaneous tools.....	50 00
3 Records.....	15 00
2 Automobiles (1 Ford and 1 Chrysler).....	1,074 19

2,090 38

HEALTH DEPARTMENT

General

6 Desks, 6 desk chairs, 2 desk tables, 12 chairs, 3 benches	\$300 00
Card cabinet and letter files (18).....	650 00
Dictionary and atlases.....	25 00
Typewriting machines and desk.....	150 00
Stationery and sundries.....	250 00

Amount carried forward..... \$1,375 00 \$1,220,595 28

List of City Property — Continued

Amount brought forward..... \$1,375 00 \$1,220,595 28

Health Department — Continued

Medical books.....	100 00	
Duplicator and supplies.....	20 00	
Disinfecting apparatus and supplies.....	25 00	
3 Ford automobiles (1 sedan and 2 coupes).....	1,500 00	
		3,020 00

Tuberculosis Hospital**Real Estate:**

Value of buildings.....	\$92,600 00	
Value of land (325,828 square feet).....	9,800 00	
		102,400 00

Personal Property:

Linen and bedding.....	\$2,500 00	
Instruments and nursing utensils.....	150 00	
Dishes and kitchen utensils.....	300 00	
General furnishings and supplies.....	4,000 00	
Refrigeration plant.....	5,000 00	
		11,950 00

Dental Clinic

Equipment (8 units).....	\$8,500 00	
Instruments and supplies.....	1,000 00	
Furniture.....	350 00	
		9,850 00

Laboratory

Electric centrifuge.....	\$250 00
Immersion refractometer.....	100 00
Zeiss refractometer.....	75 00
Drying oven.....	6 00
Water bath.....	150 00
Polariscope.....	20 00
Analytical balance and weights.....	45 00
Platinum dishes (7).....	175 00
Chemicals and glassware.....	195 00
Office furniture (desk and chairs).....	100 00
Discarded apparatus.....	5 00
Autoclave and furnishings.....	100 00
Milk collecting outfits.....	15 00
Apparatus for plating bacteria.....	10 00
Petri dishes.....	5 00
One automobile.....	500 00
Microscope.....	125 00
Incubator and thermo-regulator.....	150 00

Amount carried forward..... \$2,026 00 \$1,347,815 28

List of City Property — Continued

Amount brought forward \$2,026 00 \$1,347,815 28

Health Department — Concluded

Sterilizing oven	50 00
Test tubes	5 00
Diphtheria, sputum and typhoid outfits	100 00
Laboratory supplies	120 00
Cards, card cabinets, stamps and stamp rack	350 00
Electric refrigerator	375 00
Milk box for samples	4 25
Cream balance	35 00
Sputum shaker	20 00
Cork stoppers	8 00
Books	8 00
Plate glass desk tops	32 00
Stools	5 00

3,138 25

SEWER

1 Catch basin cleaning cart (cast iron)	\$10 00
1 Hoisting engine	100 00
4 Gasolene pumps	125 00
2 Ejectors	25 00
1 One-ton trailer	10 00
1 Buick coach, model 1926	300 00
1 Federal truck 1929 (4 tons)	2,500 00
1 Henderson truck 1924 (1 ton)	300 00
1 Chevrolet truck 1927 (1 ton)	125 00
1 Chevrolet truck 1928 (1 ton)	150 00
1 Autocar truck 1923 (2½-ton), with Healey catch- basin cleaner	1,200 00
1 Fordson tractor 1926, with Healey catchbasin cleaner machine attached	750 00
1 Ford truck 1923, one-half ton Model T	50 00
1 Ford truck 1930, 1 1-2 ton Model AA	400 00
1 Chevrolet touring car 1929	75 00
1 Alemite grease gun	100 00
2 Hand sprays	5 00
5 Hand pumps and hose	40 00
1 Centrifugal pump	10 00
1 Healey hand-operated sewer cleaning machine	25 00
2 Pile-driver hammers	35 00
4 Tool houses	50 00
6 Dozen white lanterns	20 00
6 Dozen red lanterns	20 00
Tools, implements, shovels, picks, etc.	300 00

Amount carried forward \$6,725 00 \$1,350,953 53

List of City Property — Continued

Amount brought forward..... \$6,725 00 \$1,350,953 53

Sewer — Concluded

300 Feet flushing hose.....	75 00	
Stock on hand, bricks, castings, lumber, cement pipe, etc.....	100 00	
Portalite (spot light).....	15 00	
2 Portable electric lanterns.....	10 00	
2 Carpenter spot lights.....	15 00	
1 Hauch thawing outfit.....	25 00	
6 Pairs long rubber boots.....	15 00	
15 Pairs long rubber boots (second-hand).....	15 00	
1 Dozen oil hats.....	6 00	
1 Dozen oil coats.....	15 00	
1 Dozen oil pants.....	10 00	
1 Four-legged derrick and fittings.....	15 00	
1 Gasolene concrete mixer.....	100 00	
1 Air compressor and tools.....	500 00	
1 Horse-drawn street roller.....	10 00	
1 Garage at 37 Pilgrim Street.....	18,600 00	
		26,251 00

STREET

Location	Buildings and Land	Value of Land	Value of Bldgs.	
Raymond St.	City Yard, stable sheds and under trucks.....	\$27,300 00	\$27,000 00	
Hampshire St.	Incinerator plant.....		5,000 00	
	City Yard, stable sheds, scales and Municipal garage....	32,400 00	71,000 00	
Norfolk St.	Yard and storage shed....	13,900 00	300 00	
Acton, Mass.	Land, gravel bank.....	3,000 00		
New St.	Land, garage and offal plant.....	3,100 00	36,000 00	
		\$79,700 00	\$139,300 00	219,000 00
62 Motor vehicles.....			\$53,985 00	
4 Desks and chairs (City Hall office).....			25 00	
2 Desks and chairs (Raymond Street office).....			10 00	
3 Desks and chairs (Hampshire Street office).....			15 00	
5 Desks and chairs (New Street office).....			25 00	
1 Typewriter and stand (City Hall office).....			50 00	
1 Adding machine (City Hall office).....			50 00	
3 Filing cabinets (City Hall office).....			45 00	
Amount carried forward.....			\$54,205 00	\$1,596,204 53

List of City Property — Continued

Amount brought forward \$54,205 00 \$1,596,204 53

Street — Concluded

1	Directory (City Hall office)	12 00	
	Stationery (City Hall office)	50 00	
	Road machinery (rollers, concrete mixers, etc.)	10,067 00	
	Carts and wagons	535 00	
	Harnesses	330 00	
8	Horses	1,600 00	
	Shop supplies (lumber, etc.)	1,562 00	
	Tools	1,484 00	
	Road-building materials (sand, bricks, granite blocks, etc.)	7,218 00	
	Shop machinery	2,655 00	
	Motor vehicles supplies	723 00	
2	Information booths	200 00	
10	Gas beacons	1,000 00	
85	Section carts	1,700 00	
340	Section cans	680 00	
			84,021 00

CITY HOSPITAL

Land, Cambridge Street, Line Street and Camelia Avenue	\$81,200 00	
Old buildings	25,000 00	
New buildings	350,000 00	
Instruments and apparatus	30,000 00	
Furnishings and equipment	100,000 00	
New addition	450,000 00	
		1,036,200 00

CITY INFIRMARY

City Home, power plant and garage and house, Concord Avenue	565,200 00	
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SCHOOL

Taylor School, Charles Street	\$46,800 00	
Putnam School, 69 Fourth Street	74,600 00	
Thorndike School, S.S. Spring Street	114,400 00	
Gannett School, S.S. Jefferson Street	10,900 00	
Coal Sheds, 97-105 Windsor Street and N.S. School Street	22,000 00	
Roberts School, 171 Harvard Street	581,100 00	
School, 386-388 Columbia Street	6,400 00	
Kelley School Building, W.S. Willow Street	92,400 00	
Wellington School, E.S. Columbia Street, corner Lincoln Street	144,500 00	
Fletcher School, 87 Elm Street	103,000 00	
Morse School, W.S. Brookline and S.S. Allston Streets	91,500 00	
Willard School, E.S. Niagara, N.S. Lake and S.S. Lawrence Streets	36,100 00	

Amount carried forward \$1,323,700 00 \$3,281,625 53

List of City Property — Continued

Amount brought forward \$1,323,700 00 \$3,281,625 53

School — Concluded

Webster School, N.S. Upton Street	165,700 00	
Harvard School, W.S. Inman Street, corner Broadway . .	83,600 00	
Felton School, W.S. Amory Street, corner Summer Street	21,500 00	
Longfellow School, Broadway, Fayette and Antrim		
Streets	278,900 00	
Houghton School, E.S. Putnam Avenue	268,800 00	
Lot, S.S. Hayes Street	1,300 00	
1 House, 14-16 Hayes Street		
1 House, 18 Hayes Street	2,700 00	
Tarbell School, 1-13 Grigg Street	7,800 00	
Lot, N.S. Magee Street	1,100 00	
Lot, S.S. Franklin Street	300 00	
Rindge School, Cambridge Street, Broadway and Felton		
Street	341,600 00	
High School, N.S. Broadway		
High School Annex, Ellery Street		
Latin School, Trowbridge Street	781,700 00	
Agassiz School, S.S. Sacramento Street	133,900 00	
Ellis School, S.S. Dudley corner Cedar Streets	57,600 00	
Sleeper School	38,400 00	
Wyman School, S.S. Rindge Avenue corner Haskell		
Street	10,500 00	
Lincoln School, W.S. Walden Street	227,200 00	
Peabody School, S.S. Linnaean corner Avon and		
Walker Streets	90,900 00	
Lowell School, W.S. Lowell Street	12,000 00	
Russell School, W.S. Grozier Road and E.S. Larch Road	270,800 00	
Lot, 73-81 Holworthy Street	2,500 00	
Haggerty School, W.S. Cushing Street	53,500 00	
		4,176,000 00

PUBLIC LIBRARY

141,666 feet of land as per Assessors' books	\$85,000 00	
Library Building, as per Assessors' books	95,300 00	
Books in library	140,000 00	
Interior furnishings	10,500 00	
Books in East Cambridge Branch	7,000 00	
Furnishings in East Cambridge Branch	800 00	
Books in North Cambridge Branch	10,000 00	
Furnishings in North Cambridge Branch	2,500 00	
Books in Central Square Branch	7,000 00	
Furnishings in Central Square Branch	1,000 00	
Books in Cambridge Field Branch	3,000 00	
Amount carried forward	\$362,100 00	\$7,457,625 53

List of City Property — Continued

Amount brought forward \$362,100 00 \$7,457,625 53

Public Library — Continued

Furnishings in Cambridge Field Branch	800 00	
Books in Mount Auburn Branch	2,500 00	
Furnishings in Mount Auburn Branch	600 00	
Books in Observatory Hill Branch	2,000 00	
Furnishings in Observatory Hill Branch	750 00	
		368,750 00

PARK

Charles River Parkway, Commercial Avenue	\$265,400 00	
Lot, N.S. Main Street	31,100 00	
Lot, W.S. Sixth Street	300 00	
Apparatus, N.S. Charles Street	43,100 00	
Playground, E. S. Ninth Street corner Hurley	7,300 00	
Shelter House, Cambridge Field, S.S. Cambridge	292,000 00	
Charles River Parkway, S.S. Main to land of Harriet A. Porter	100 00	
Lot, N.S. Washington Street		
Fort Washington, E.S. Waverly Street	32,900 00	
Lot, N.S. Erie Street	100 00	
Lot, rear 334 Columbia Street	100 00	
Playground, 113-117 Elm Street	4,100 00	
House, 99 Elm Street	1,200 00	
Lot, 101-105A Elm Street	1,500 00	
Park, S.S. Broadway and W.S. Norfolk Street	55,000 00	
Playground, 243 Harvard Street	7,000 00	
Lot, S.S. Worcester Street	200 00	
Lot, N.S. Putnam Avenue	100 00	
Lot, N.S. Putnam Avenue	4,400 00	
Hastings Square, W.S. Brookline and S.S. Chestnut Streets	15,000 00	
Lot, E.S. Granite Street	200 00	
Lot, E.S. Pleasant Street	100 00	
Dana Square, E.S. Magazine, N.S. Lake, S.S. Lawrence, and W.S. Niagara	18,000 00	
Park, Pleasant Street, Western Avenue and Franklin Street	1,000 00	
Lot, 488-490 Franklin Street	1,500 00	
Park, W.S. Pleasant	900 00	
Lot, S.S. Western Avenue corner Montague	100 00	
Lot, W.S. Montague	200 00	
Lot, W.S. Montague	400 00	
Lot, W.S. Montague	800 00	
Lot, W.S. Montague	900 00	
Lot, W.S. Montague	900 00	
<i>Amount carried forward</i>	\$785,900 00	\$7,826,375 53

List of City Property — Continued

Amount brought forward \$785,900 00 \$7,826,375 53

Park — Concluded

Lot, W.S. Montague	1,000 00
Lot, W.S. Montague	1,200 00
Lot, E.S. Putnam Avenue	3,300 00
Locker building, E.S. Montague	86,400 00
Shelter house, S.S. Flag	46,300 00
Triangular lot, Massachusetts Avenue and Arrow Street	2,200 00
Lot, Massachusetts Avenue and Cambridge Street	125,900 00
Park, Boylston, Winthrop and Mt. Auburn Streets	46,300 00
Park Land, Boylston and Murray Streets	21,500 00
Building, 108-110 Mt. Auburn Street	122,200 00
Common, Garden Street, Massachusetts Avenue and Waterhouse Street	370,800 00
Small Common, W.S. Massachusetts Avenue	19,800 00
Lot, E.S. Bowdoin Street	100 00
Lot, S.S. Allen Street	200 00
Lot, Rear 8 George Street	100 00
Lot, S.S. Dudley Street	1,200 00
Lot, W.S. Reed Street	200 00
Recreation Building, S.S. Rindge Avenue, corner W.S. Groveland Street	180,900 00
Lot, E.S. Walker Street	6,400 00
Triangular lot, S.S. Chauncy and Garden Streets	3,200 00
Park, S.S. Brattle Street through to Mt. Auburn Street	35,300 00
Lot, W.S. Madison Street	200 00
Lot, W.S. Appleton Street	100 00
Lot, 150 Vassal Lane	600 00
Lot, W.S. Chilton Street (in rear No. 55)	700 00
Lot, 283 Mt. Auburn Street	8,200 00
Lot, E.S. Holworthy Place	1,200 00
Lot, rear E.S. Oxford Avenue	200 00
Lavatory Station, N.S. Huron Avenue, corner Fresh Pond Parkway	10,000 00
Tudor Park, S.S. Concord Avenue, between Fresh Pond Avenue and Watertown branch B. & M. R.R.	4,300 00
Lot, 122-126 Clifton Street	800 00
House and shed, fence, seats, etc., locker, showers, N.S. Rindge Avenue	81,100 00
Lot, W.S. Clifton Street	800 00

1,968,600 00

PARK RECREATION

1 Dodge sedan	\$150 00
2 Upright pianos (Rindge and Corporal Burns Field)	100 00
1 Electric amplifier (store room)	150 00
1 Dynamic speaker (for amplifier)	125 00

Amount carried forward \$525 00 \$9,794,975 53

List of City Property — Continued

Amount brought forward..... \$525 00 \$9,794,975 53

Park Recreation — Concluded

1	Holmes motion picture projector.....	250 00	
1	De Vry motion picture projector (portable).....	50 00	
3	Reels motion picture film, department activities....	100 00	
	Odd motion picture and film supplies (cans, film-winder, etc.).....	10 00	
	Rubber cords for motion picture and Christmas tree connections.....	60 00	
25	Music records (for amplifier).....	9 00	
	First-aid supplies (cotton, gauze, tape, iodine, etc.)..	10 00	
8	Card tables.....	16 00	
40	Chairs.....	30 00	
	Tools (2 hammers, saw, file, etc., tapes, wrenches)....	25 00	
	Assorted electric light bulbs, 10- and 40-Watt (for Christmas trees) approximately 200.....	25 00	
	Odd lumber for platform, dowels, etc.	8 00	
	Odd properties for dramatics and pageantry.....	15 00	
12	Street shower sprinklers.....	30 00	
20	Playground supply boxes.....	20 00	
	Odd playground supplies (whistles, pumps, etc.)....	5 00	
	Play equipment (jump stands, bars, stakes, goals, etc.)	100 00	
	Playground game materials (baseballs, bats, basketballs, quoits, volley balls, nets, etc.).....	400 00	
	Miscellaneous handwork materials (odd cloth, crepe-paper, beads, scissors, needles, etc.).....	4 00	
	Miscellaneous supplies (rope, banners, odd small flags, lime, megaphone, signs, etc.).....	15 00	
Office equipment:			
3	Desks.....	40 00	
1	Bookcase.....	20 00	
8	Chairs.....	35 00	
1	Counter cabinet.....	60 00	
5	Cabinets.....	100 00	
			1,962 00

CEMETERY

Old Burying Ground, Massachusetts Avenue and Garden		
Street, land and buildings, E.S. Coolidge Avenue....	\$260,600 00	260,600 00

WATER

House, 247 Lakeview Avenue.....	\$6,800 00	
Lot, 247 Lakeview Avenue.....	2,400 00	
Lot, 251-257 Lakeview Avenue.....	2,400 00	
Lot, 200-208 Vassal Lane.....	900 00	
Lot, 259-279 Lakeview Avenue, corner Vassal Lane....	4,300 00	
Amount carried forward.....	\$16,800 00	\$10,057,537 53

List of City Property — Concluded

Amount brought forward..... \$16,800 00 \$10,057,537 53

Water — Concluded**Pumping Station:**

Machinery, Worthington, and 1 House, 294 Lakeview

Avenue 192,200 00

1 House, 255 Lexington Avenue 10,000 00

Lot, 704-716 Huron Avenue 2,300 00

Lot, N.S. Huron Avenue 63,500 00

Filtration Plant:

House and stable, Concord Avenue 1,079,500 00

Lot, Little River 11,500 00

Lot, Fitchburg Railroad 200 00

Part of Way Water Board, Blanchard Road 200 00

Lot, Blanchard Road 200 00

Lot, N.S. Malcolm Road 100 00

1,376,500 00

MISCELLANEOUS

Stable, rear 137-139 Gore Street \$1,000 00

Land, N.S. Hampshire Street 200 00

Houses and storage, 78 Auburn Street 19,800 00

Land, 400 Portland Street 11,400 00

Land and building, Inman and Hampshire Streets 65,500 00

Land and building, Broadway and Quincy Street 30,500 00

128,400 00

Total \$11,562,437 53

REPORT OF CITY TREASURER

LETTER OF TRANSMITTAL

Cambridge, Mass., January 1, 1932.

To the Honorable City Council:

In compliance with the provisions of Chapter 56 of the revised ordinances of 1892, amended to November 8, 1899, compiled to November 10, 1913, concerning "Annual reports of officers and boards in charge of departments," I respectfully submit herewith a detailed report of the receipts and expenditures of the public funds by the Treasury Department during the year ending December 31, 1931, including an account of all bonded and temporary loans negotiated in said year, also a detailed account of official fees received and reports of all trust funds in the care of the City Treasurer. In addition to the above, a report of the Commissioners of the Sinking Funds of the City is included.

Very respectfully,

WILLIAM J. SHEA,
City Treasurer.

TEMPORARY LOANS IN ANTICIPATION OF REVENUE NEGOTIATED
DURING THE YEAR ENDING DECEMBER 31, 1931

Date	Maturity	Amount	Discount per Annum
April 22, 1931	Nov. 3, 1931	\$1,000,000 00	1.90% plus \$3.00
June 26, 1931	Dec. 1, 1931	1,000,000 00	1.34%
July 24, 1931	Jan. 27, 1932	1,000,000 00	1.58% plus \$5.00

PARTICULARS REGARDING BOND SALES NEGOTIATED DURING THE YEAR ENDING DECEMBER 31, 1931

Date of Bonds	Amount	Loan	Years to Run	Rate	Purchaser	Rate
June 1, 1931	\$149,000 00	Alewife Brook, Fresh Pond Highway	\$15,000 annually for 9 years	3½	Shawmut Corp. of Boston	101.232
July 1, 1931	\$100,000 99	Street	\$14,000 (1) year \$20,000 annually for 5 years	3½	Central Trust Co.	100.483
July 1, 1931	\$100,000 00	Street	\$10,000 annually for 10 years	3½	Chase, Harris, Forbes Corp.	par
Aug. 1, 1931	\$590,000 00	Water	\$24,000 annually for 15 years....	3½	Estabrook & Co.	100.39
Oct. 1, 1931	\$100,000 00	Street	\$23,000 annually for 10 years \$10,000 annually for 10 years	4¼	First National-Old Colony Corp.	100.03

RECAPITULATION

State Assessment	\$149,000 00
Street	300,000 00
ater	590,000 00
	\$1,039,000 00

TREASURER'S DEPARTMENT

FEES

Affidavits	\$16 50
Deeds	132 00
Preparing and Posting	462 00
Examination of Title	116 00
Per Statute	59 00
Certificates	203 00
Release and Deed of Release	87 00
Recording Affidavit	33 00
Advertising	993 40
Telephone	25
Demands	2,358 70
	\$4,460 85

REPORT OF TRUST FUNDS
IN HANDS OF CITY TREASURER

The following is the condition of the funds:

CEMETERY TRUST FUND

Perpetual Care Fund, March 31, 1931	\$216,216 29
Deeds in Trust Fund, March 31, 1931	562 00
Received from owners of lots for perpetual care	7,734 60
Due from City of Cambridge for perpetual care	50
Received from owners of lots for deed in trust	10 00
Received premium on bonds sold	1,456 88
	\$225,980 27
Less premium paid on bonds purchased	9,536 60
	\$216,443 67

Cash Account

Dr.

Balance on deposit, March 31, 1931	\$3,378 95
Received from owners of lots for perpetual care	7,734 60
Due City for over deposit in Savings Bank	50
Received from owners of lots for deed in trust	10 00
Received interest on investment	6,050 76
Received accrued interest on securities sold	234 29
Received premium on bonds sold	2,038 13
Received for bonds sold	123,000 00
	\$142,447 23

Cr.

Cash used to purchase securities 1930-1931	\$2,155 04
Paid City of Cambridge for care of lots in perpetual care	5,884 87
Balance on deposit in Cambridge Savings Bank	9,743 67
Paid for bonds purchased	107,000 00
Paid interest accrued on bonds purchased	400 52
Paid premium on bonds purchased	9,536 60
Income applicable to 1930-1931	7,726 53
	<u>\$142,447 23</u>

Webster Thierry Fund

This is a fund of \$300, donated by Mrs. Louis J. Thierry in memory of her son, Webster H. Thierry, who died while a student at High and Latin School. The income of the fund is to be expended for a prize to the boy in the graduating class, who has been outstanding, especially in his interest in debating and related work, and known as the Webster Thierry Fund.

Amount of fund, March 31, 1931 in Charlestown Savings Bank	\$331 12
Cash on hand	5 50
	<u>\$336 62</u>
Paid City of Cambridge	5 50
Amount of fund December 31, 1931 in Charlestown Savings Bank ...	<u>\$331 12</u>

William Penn Harding Fund

Amount of fund March 31, 1931	\$1,000 00
Income on fund 1931	47 50
	<u>\$1,047 50</u>
Paid City of Cambridge	47 50
Amount of fund December 31, 1931	<u>\$1,000 00</u>

John Wesley Freeze Fund

Amount of fund March 31, 1931	\$184 42
Amount in Cambridgeport Savings Bank December 31, 1931	184 42
Income to be added to fund January 10, 1932	\$8 85

Bridge Charitable Fund

Amount of fund March 31, 1931	\$3,306 40
Amount of fund December 31, 1931	3,306 40
Income to be added to fund January 10, 1932	\$44 52

Sarah E. Russell Fund

Amount of fund March 31, 1931	\$814 41
Income on fund 1931	41 20
	<u>\$855 61</u>
Paid City of Cambridge	41 20
Amount of fund December 31, 1931	<u>\$814 41</u>

Edward L. Kingman Scholarship Fund

July 28, 1931	\$1,700 00
Amount of fund December 31, 1931	\$1,700 00

Reverend P. H. Callanan Fund

December 30, 1930	\$2,000 00
Income on fund December 10, 1931	33 33
	<u>\$2,033 33</u>
Paid City of Cambridge	33 33
Amount of fund December 31, 1931	<u>\$2,000 00</u>

The Bonded Debt matures as follows:

Issued serially, provided for in the annual tax levy.

Jan.	1, 1932	Sewer	4s	\$500 00
Jan.	1, 1932	Schoolhouse	4s	3,250 00
Feb.	1, 1932	Building (schoolhouse)	4s	500 00
Mar.	1, 1932	Hospital	4s	4,500 00
Mar.	1, 1932	Building	4s	2,000 00
Mar.	1, 1932	Land for playground	4s	500 00
Mar.	1, 1932	Sewer separate system	4s	1,500 00
Mar.	1, 1932	Sewer separate system	4s	2,000 00
Mar.	1, 1932	Sewer separate system	3 $\frac{3}{4}$ s	3,000 00
Mar.	1, 1932	Land for playground	4s	300 00
Mar.	1, 1932	Sewer separate system	4 $\frac{1}{4}$ s	4,000 00
Mar.	1, 1932	School	4s	2,000 00
Mar.	1, 1932	Separate system of sewers	4s	3,000 00
April	1, 1932	Sewer construction	4 $\frac{1}{2}$ s	500 00
April	1, 1932	Main Street, Broadway widening	4s	29,000 00
May	1, 1932	Sewer	3 $\frac{1}{2}$ s	500 00
May	1, 1932	Cambridge Bridge	4s	2,000 00
June	1, 1932	Hospital building	4s	2,000 00
June	1, 1932	Cemetery	4s	1,000 00
June	1, 1932	Hospital	4s	2,000 00
June	1, 1932	Sewer construction	4s	500 00
June	1, 1932	Sewer separate system	4s	500 00
June	1, 1932	Building	4 $\frac{1}{4}$ s	1,000 00
June	1, 1932	First Street Bridge	4 $\frac{1}{4}$ s	1,000 00
June	1, 1932	Sewer separate system	4 $\frac{1}{4}$ s	1,500 00
June	1, 1932	Street construction	4 $\frac{1}{4}$ s	5,000 00
June	1, 1932	Street	4s	15,000 00
June	1, 1932	Alewife Brook Fresh Pond Highway	3 $\frac{1}{2}$ s	15,000 00
July	1, 1932	Building	4s	4,000 00
July	1, 1932	Sewer	4s	500 00
July	1, 1932	Sewer separate system	4s	500 00
July	1, 1932	Park	4s	1,000 00
July	1, 1932	Playground	4s	1,000 00
July	1, 1932	Schoolhouse	4 $\frac{1}{2}$ s	3,250 00
July	1, 1932	Street	4 $\frac{1}{2}$ s	2,000 00
July	1, 1932	Street	4s	400 00
July	1, 1932	Sewer separate system	4s	1,000 00
July	1, 1932	Schoolhouse	4 $\frac{1}{2}$ s	5,000 00
July	1, 1932	Building	4 $\frac{1}{2}$ s	4,000 00
July	1, 1932	Sewer	4 $\frac{1}{2}$ s	1,000 00
July	1, 1932	Street	4s	10,000 00
July	1, 1932	School	4s	33,000 00
July	1, 1932	Street	3 $\frac{1}{2}$ s	10,000 00
July	1, 1932	Street	3 $\frac{1}{2}$ s	20,000 00
July	15, 1932	Schoolhouse	4 $\frac{1}{4}$ s	4,000 00
July	15, 1932	Sewer construction	4s	1,000 00
July	15, 1932	Sewer separate system	4s	1,000 00
July	15, 1932	Street construction	4 $\frac{1}{4}$ s	22,000 00
Aug.	1, 1932	Street	4s	15,000 00
Aug.	14, 1932	Additional departmental equipment	4 $\frac{1}{4}$ s	14,000 00
Sept.	1, 1932	Building	4 $\frac{1}{2}$ s	1,000 00
Sept.	1, 1932	Park	3 $\frac{1}{2}$ s	2,000 00
Sept.	1, 1932	Hospital	4s	3,000 00
Sept.	1, 1932	Park	4s	1,000 00

Amount carried forward \$264,200 00

<i>Amount brought forward</i>			\$264,200 00
Sept. 1, 1932	Sewer separate system	4½s	\$3,000 00
Sept. 1, 1932	Street	4½s	14,000 00
Sept. 1, 1932	Street construction	4½s	35,000 00
Sept. 1, 1932	Street construction	4½s	6,000 00
Oct. 1, 1932	Sewer construction	4½s	500 00
Oct. 1, 1932	Sewer construction	4½s	1,500 00
Oct. 1, 1932	Hospital	4½s	8,000 00
Oct. 1, 1932	Sewer	5s	1,000 00
Oct. 1, 1932	Hospital	5s	2,500 00
Oct. 1, 1932	Sewer	5s	1,000 00
Oct. 1, 1932	Sewer	5s	500 00
Oct. 1, 1932	Building	4½s	2,000 00
Oct. 1, 1932	Sewer construction	4½s	2,000 00
Oct. 1, 1932	Sewer separate system	4½s	1,500 00
Oct. 1, 1932	Schoolhouse	4s	13,000 00
Oct. 1, 1932	First Street Bridge	4s	4,000 00
Oct. 1, 1932	Sewer construction	4s	500 00
Oct. 1, 1932	Sewer separate system	4s	1,000 00
Oct. 1, 1932	Schoolhouse	4s	1,500 00
Oct. 1, 1932	Schoolhouse	4½s	1,000 00
Oct. 1, 1932	Sixth Street Bridge	4s	2,000 00
Oct. 1, 1932	Land for playground	4s	1,000 00
Oct. 1, 1932	Separate system of sewers	4s	2,500 00
Oct. 1, 1932	Street	4¼s	32,000 00
Oct. 1, 1932	Land for playground	4¼s	500 00
Oct. 1, 1932	Sewer separate system	4¼s	2,500 00
Oct. 1, 1932	Oak Circle extension	4s	500 00
Oct. 1, 1932	Church Street widening	4s	3,500 00
Oct. 1, 1932	Street	4s	7,500 00
Oct. 1, 1932	Street	4s	30,000 00
Oct. 1, 1932	City of Cambridge, Charles River Bridge, Acts of 1921	4s	6,000 00
Oct. 1, 1932	Separate system of sewers	4s	1,000 00
Oct. 1, 1932	Additional departmental equipment	4s	7,000 00
Oct. 1, 1932	Street	4s	7,000 00
Oct. 1, 1932	Street	4s	39,000 00
Oct. 1, 1932	Building	4s	23,000 00
Oct. 1, 1932	Separate system of sewers	4s	1,000 00
Oct. 1, 1932	Street	4s	11,000 00
Oct. 1, 1932	Street	4s	17,000 00
Oct. 1, 1932	Street	4¼s	7,000 00
Oct. 1, 1932	Street	4¼s	35,500 00
Oct. 1, 1932	Building	4¼s	2,500 00
Oct. 1, 1932	Sewer separate system	4¼s	500 00
Oct. 1, 1932	Street	4¼s	10,000 00
Nov. 1, 1932	Sewer	3½s	500 00
Nov. 1, 1932	Additional departmental equipment	4½s	5,000 00
Nov. 1, 1932	Charles River Bridge, Acts of 1921	4½s	18,000 00
Nov. 1, 1932	Northern Traffic Route, Act of 1924	4½s	50,000 00
Dec. 1, 1932	City Hospital, Acts of 1929	4½s	35,000 00
Dec. 1, 1932	Sewer separate system	4s	500 00
Dec. 1, 1932	Sewer construction	4½s	1,000 00
Dec. 1, 1932	Sewer construction	4½s	500 00
Dec. 1, 1932	Street construction	4s	5,000 00
Dec. 1, 1932	Building	4s	1,000 00
Dec. 1, 1932	Combined street and sewer	4s	3,000 00
Dec. 1, 1932	Street	3¾s	5,000 00
<i>Amount carried forward</i>			\$737,700 00

<i>Amount brought forward</i>			\$737,700 00
Dec. 1, 1932	City of Cambridge, Charles River		
	Bridge, Acts of 1921	3 $\frac{3}{4}$ s	\$8,000 00
Dec. 1, 1932	Building	3 $\frac{3}{4}$ s	7,000 00
Dec. 1, 1932	Third Street Bridge	3 $\frac{3}{4}$ s	2,500 00
Dec. 1, 1932	Street	4 $\frac{1}{4}$ s	9,000 00
Dec. 1, 1932	Schoolhouse	4 $\frac{1}{4}$ s	35,000 00
Dec. 1, 1932	Building	4 $\frac{1}{4}$ s	3,000 00
Dec. 1, 1932	School, Acts of 1928	4 $\frac{1}{2}$ s	20,000 00
Dec. 1, 1932	Street	4 $\frac{1}{2}$ s	3,000 00
Dec. 1, 1932	Street	4s	12,500 00
Jan. 1, 1933	Sewer	4s	500 00
Jan. 1, 1933	Schoolhouse	4s	3,250 00
Feb. 1, 1933	Building (schoolhouse)	4s	500 00
Mar. 1, 1933	Hospital	4s	4,500 00
Mar. 1, 1933	Building	4s	2,000 00
Mar. 1, 1933	Land for playground	4s	500 00
Mar. 1, 1933	Sewer separate system	4s	1,500 00
Mar. 1, 1933	Sewer separate system	4s	2,000 00
Mar. 1, 1933	Sewer separate system	3 $\frac{3}{4}$ s	3,000 00
Mar. 1, 1933	Land for playground	4s	300 00
Mar. 1, 1933	Sewer separate system	4 $\frac{1}{4}$ s	4,000 00
Mar. 1, 1933	School	4s	2,000 00
Mar. 1, 1933	Separate system of sewers	4s	3,000 00
April 1, 1933	Sewer construction	4 $\frac{1}{2}$ s	500 00
April 1, 1933	Main Street, Broadway widening	4s	29,000 00
May 1, 1933	Cambridge Bridge	4s	2,000 00
May 1, 1933	Sewer	3 $\frac{1}{2}$ s	500 00
June 1, 1933	Cemetery	4s	1,000 00
June 1, 1933	Hospital building	4s	2,000 00
June 1, 1933	Sewer construction	4s	500 00
June 1, 1933	Sewer separate system	4s	500 00
June 1, 1933	Building	4 $\frac{1}{4}$ s	1,000 00
June 1, 1933	First Street Bridge	4 $\frac{1}{4}$ s	1,000 00
June 1, 1933	Sewer separate system	4 $\frac{1}{4}$ s	1,500 00
June 1, 1933	Street construction	4 $\frac{1}{4}$ s	5,000 00
June 1, 1933	Street	4s	15,000 00
June 1, 1933	Alewife Brook Fresh Pond Highway	3 $\frac{1}{2}$ s	15,000 00
July 1, 1933	Building	4s	4,000 00
July 1, 1933	Sewer	4s	500 00
July 1, 1933	Sewer separate system	4s	500 00
July 1, 1933	Playground	4s	1,000 00
July 1, 1933	Park	4s	1,000 00
July 1, 1933	Schoolhouse	4 $\frac{1}{2}$ s	3,250 00
July 1, 1933	Street	4 $\frac{1}{2}$ s	2,000 00
July 1, 1933	Street	4s	400 00
July 1, 1933	Sewer separate system	4s	1,000 00
July 1, 1933	Schoolhouse	4 $\frac{1}{2}$ s	5,000 00
July 1, 1933	Building	4 $\frac{1}{2}$ s	4,000 00
July 1, 1933	Sewer	4 $\frac{1}{4}$ s	1,000 00
July 1, 1933	Street	4s	10,000 00
July 1, 1933	School	4s	33,000 00
July 1, 1933	Street	3 $\frac{1}{2}$ s	10,000 00
July 1, 1933	Street	3 $\frac{1}{2}$ s	20,000 00
July 15, 1933	Schoolhouse	4 $\frac{1}{4}$ s	4,000 00
July 15, 1933	Sewer construction	4s	1,000 00
July 15, 1933	Sewer separate system	4s	1,000 00
July 15, 1933	Street construction	4 $\frac{1}{4}$ s	22,000 00

Amount carried forward \$1,063,900 00

<i>Amount brought forward</i>		\$1,063,900 00
Aug. 1, 1933	Street	4s \$15,000 00
Aug. 14, 1933	Additional departmental equipment.	4 $\frac{1}{4}$ s 14,000 00
Sept. 1, 1933	Building	4 $\frac{1}{2}$ s 1,000 00
Sept. 1, 1933	Park	3 $\frac{1}{2}$ s 1,000 00
Sept. 1, 1933	Hospital	4s 3,000 00
Sept. 1, 1933	Park	4s 1,000 00
Sept. 1, 1933	Sewer separate system	4 $\frac{1}{2}$ s 3,000 00
Sept. 1, 1933	Street	4 $\frac{1}{2}$ s 14,000 00
Sept. 1, 1933	Street construction	4 $\frac{1}{2}$ s 35,000 00
Sept. 1, 1933	Street construction	4 $\frac{1}{2}$ s 6,000 00
Oct. 1, 1933	Sewer construction	4 $\frac{1}{2}$ s 500 00
Oct. 1, 1933	Sewer construction	4 $\frac{1}{2}$ s 1,500 00
Oct. 1, 1933	Schoolhouse	4 $\frac{1}{2}$ s 1,000 00
Oct. 1, 1933	Hospital	4 $\frac{1}{2}$ s 8,000 00
Oct. 1, 1933	Sewer	5s 1,000 00
Oct. 1, 1933	Hospital	5s 2,500 00
Oct. 1, 1933	Sewer	5s 1,000 00
Oct. 1, 1933	Sewer	5s 500 00
Oct. 1, 1933	Building	4 $\frac{1}{2}$ s 2,000 00
Oct. 1, 1933	Street	4s 11,000 00
Oct. 1, 1933	Sewer construction	4 $\frac{1}{2}$ s 2,000 00
Oct. 1, 1933	Sewer separate system	4 $\frac{1}{2}$ s 1,500 00
Oct. 1, 1933	Schoolhouse	4s 13,000 00
Oct. 1, 1933	First Street bridge	4s 4,000 00
Oct. 1, 1933	Sewer construction	4s 500 00
Oct. 1, 1933	Sewer separate system	4s 1,000 00
Oct. 1, 1933	Schoolhouse	4s 1,500 00
Oct. 1, 1933	Sixth Street bridge	4s 2,000 00
Oct. 1, 1933	Land for playground	4s 1,000 00
Oct. 1, 1933	Separate system of sewers	4s 2,500 00
Oct. 1, 1933	Street	4 $\frac{1}{4}$ s 31,000 00
Oct. 1, 1933	Land for playground	4 $\frac{1}{4}$ s 500 00
Oct. 1, 1933	Sewer separate system	4 $\frac{1}{4}$ s 2,500 00
Oct. 1, 1933	Oak Circle extension	4s 500 00
Oct. 1, 1933	Church Street widening	4s 3,500 00
Oct. 1, 1933	Street	4s 7,500 00
Oct. 1, 1933	Street	4s 30,000 00
Oct. 1, 1933	City of Cambridge, Charles River	
	Bridge, Acts of 1921	4s 6,000 00
Oct. 1, 1933	Separate system of sewers	4s 1,000 00
Oct. 1, 1933	Building	4s 22,000 00
Oct. 1, 1933	Street	4s 38,000 00
Oct. 1, 1933	Separate system of sewers	4s 1,000 00
Oct. 1, 1933	Street	4 $\frac{1}{4}$ s 7,000 00
Oct. 1, 1933	Street	4 $\frac{1}{4}$ s 35,500 00
Oct. 1, 1933	Building	4 $\frac{1}{4}$ s 2,500 00
Oct. 1, 1933	Sewer separate system	4 $\frac{1}{4}$ s 500 00
Oct. 1, 1933	Street	4 $\frac{1}{4}$ s 10,000 00
Nov. 1, 1933	Sewer	3 $\frac{1}{2}$ s 500 00
Nov. 1, 1933	Additional departmental equipment.	4 $\frac{1}{2}$ s 5,000 00
Nov. 1, 1933	Charles River Bridge, Acts of 1921 ..	4 $\frac{1}{2}$ s 18,000 00
Nov. 1, 1933	Northern Traffic Route, Act of 1924	4 $\frac{1}{2}$ s 50,000 00
Dec. 1, 1933	Sewer separate system	4s 500 00
Dec. 1, 1933	Sewer construction	4 $\frac{1}{2}$ s 1,000 00
Dec. 1, 1933	Sewer construction	4 $\frac{1}{2}$ s 500 00
Dec. 1, 1933	Street construction	4s 5,000 00
Dec. 1, 1933	Building	4s 1,000 00

Amount carried forward \$1,495,400 00

<i>Amount brought forward</i>		\$1,495,400 00
Dec. 1, 1933	Combined street and sewer 4s	\$3,000 00
Dec. 1, 1933	Street 3 $\frac{3}{4}$ s	5,000 00
Dec. 1, 1933	City of Cambridge, Charles River Bridge, Acts of 1921 3 $\frac{3}{4}$ s	5,000 00
Dec. 1, 1933	Building 3 $\frac{3}{4}$ s	7,000 00
Dec. 1, 1933	Third Street bridge 3 $\frac{3}{4}$ s	2,500 00
Dec. 1, 1933	Street 4 $\frac{1}{4}$ s	9,000 00
Dec. 1, 1933	Schoolhouse 4 $\frac{1}{4}$ s	35,000 00
Dec. 1, 1933	Building 4 $\frac{1}{4}$ s	3,000 00
Dec. 1, 1933	City Hospital, Acts of 1929 4 $\frac{1}{2}$ s	35,000 00
Dec. 1, 1933	School, Acts of 1928 4 $\frac{1}{2}$ s	20,000 00
Dec. 1, 1933	Street 4 $\frac{1}{2}$ s	3,000 00
Dec. 1, 1933	Street 4s	12,500 00
Jan. 1, 1934	Sewer 4s	500 00
Jan. 1, 1934	Schoolhouse 4s	3,250 00
Feb. 1, 1934	Building (schoolhouse) 4s	500 00
Mar. 1, 1934	Hospital 4s	4,500 00
Mar. 1, 1934	Building 4s	2,000 00
Mar. 1, 1934	Land for playground 4s	500 00
Mar. 1, 1934	Sewer separate system 4s	1,500 00
Mar. 1, 1934	Sewer separate system 4s	2,000 00
Mar. 1, 1934	Sewer separate system 3 $\frac{3}{4}$ s	3,000 00
Mar. 1, 1934	Land for playground 4s	300 00
Mar. 1, 1934	School 4s	2,000 00
Mar. 1, 1934	Separate system of sewers 4s	3,000 00
Mar. 1, 1934	Sewer separate system 4 $\frac{1}{4}$ s	4,000 00
April 1, 1934	Sewer construction 4 $\frac{1}{2}$ s	500 00
April 1, 1934	Main Street, Broadway widening . . 4s	29,000 00
May 1, 1934	Sewer 3 $\frac{1}{2}$ s	500 00
May 1, 1934	Cambridge Bridge 4s	2,000 00
June 1, 1934	Cemetery 4s	1,000 00
June 1, 1934	Hospital 4s	2,000 00
June 1, 1934	Sewer construction 4s	500 00
June 1, 1934	Sewer separate system 4s	500 00
June 1, 1934	Building 4 $\frac{1}{4}$ s	1,000 00
June 1, 1934	First Street Bridge 4 $\frac{1}{4}$ s	1,000 00
June 1, 1934	Sewer separate system 4 $\frac{1}{4}$ s	1,500 00
June 1, 1934	Street 4s	15,000 00
June 1, 1934	Alewife Brook Fresh Pond Highway . 3 $\frac{1}{2}$ s	15 000 00
July 1, 1934	Building 4s	4,000 00
July 1, 1934	Sewer 4s	500 00
July 1, 1934	Sewer separate system 4s	500 00
July 1, 1934	Playground 4s	1,000 00
July 1, 1934	Park 4s	1,000 00
July 1, 1934	Street 4s	400 00
July 1, 1934	Sewer separate system 4s	1,000 00
July 1, 1934	Schoolhouse 4 $\frac{1}{2}$ s	5,000 00
July 1, 1934	Building 4 $\frac{1}{2}$ s	4,000 00
July 1, 1934	Sewer 4 $\frac{1}{2}$ s	1,000 00
July 1, 1934	Street 4s	10,000 00
July 1, 1934	School 4s	33,000 00
July 1, 1934	Street 3 $\frac{1}{2}$ s	10,000 00
July 1, 1934	Street 3 $\frac{1}{2}$ s	20,000 00
July 15, 1934	Schoolhouse 4 $\frac{1}{4}$ s	4,000 00
July 15, 1934	Sewer construction 4s	1,000 00
July 15, 1934	Sewer separate system 4s	1,000 00
Aug. 1, 1934	Street 4s	15,000 00

Amount carried forward \$1,844,350 00

<i>Amount brought forward</i>			\$1,844,350 00
Sept. 1, 1934	Building	4½s	\$1,000 00
Sept. 1, 1934	Park	3½s	1,000 00
Sept. 1, 1934	Hospital	4s	3,000 00
Sept. 1, 1934	Park	4s	1,000 00
Sept. 1, 1934	Sewer separate system	4½s	3,000 00
Sept. 1, 1934	Street	4½s	14,000 00
Sept. 1, 1934	Street construction	4½s	35,000 00
Sept. 1, 1934	Street construction	4½s	6,000 00
Oct. 1, 1934	Sewer construction	4½s	500 00
Oct. 1, 1934	Sewer construction	4½s	1,500 00
Oct. 1, 1934	Hospital	4½s	8,000 00
Oct. 1, 1934	Sewer	4½s	1,000 00
Oct. 1, 1934	Hospital	5s	2,500 00
Oct. 1, 1934	Sewer	5s	1,000 00
Oct. 1, 1934	Sewer	5s	500 00
Oct. 1, 1934	Building	4½s	2,000 00
Oct. 1, 1934	Sewer construction	4½s	2,000 00
Oct. 1, 1934	Sewer separate system	4½s	1,500 00
Oct. 1, 1934	Schoolhouse	4s	13,000 00
Oct. 1, 1934	First Street Bridge	4s	4,000 00
Oct. 1, 1934	Sewer construction	4s	500 00
Oct. 1, 1934	Sewer separate system	4s	1,000 00
Oct. 1, 1934	Schoolhouse	4s	1,500 00
Oct. 1, 1934	Schoolhouse	4½s	1,000 00
Oct. 1, 1934	Sixth Street Bridge	4s	2,000 00
Oct. 1, 1934	Land for playground	4s	1,000 00
Oct. 1, 1934	Separate system of sewers	4s	2,500 00
Oct. 1, 1934	Street	4¼s	31,000 00
Oct. 1, 1934	Land for playground	4¼s	500 00
Oct. 1, 1934	Sewer separate system	4¼s	2,500 00
Oct. 1, 1934	Oak Circle extension	4s	500 00
Oct. 1, 1934	Church Street widening	4s	3,500 00
Oct. 1, 1934	Street	4s	7,500 00
Oct. 1, 1934	Street	4s	30,000 00
Oct. 1, 1934	City of Cambridge, Charles River Bridge, Acts of 1921	4s	6,000 00
Oct. 1, 1934	Separate system of sewers	4s	1,000 00
Oct. 1, 1934	Street	4s	38,000 00
Oct. 1, 1934	Building	4s	22,000 00
Oct. 1, 1934	Separate system of sewers	4s	1,000 00
Oct. 1, 1934	Street	4s	11,000 00
Oct. 1, 1934	Street	4¼s	35,500 00
Oct. 1, 1934	Building	4¼s	2,500 00
Oct. 1, 1934	Sewer separate system	4¼s	500 00
Oct. 1, 1934	Street	4¼s	10,000 00
Nov. 1, 1934	Sewer	3½s	500 00
Nov. 1, 1934	Additional departmental equipment	4½s	5,000 00
Nov. 1, 1934	Charles River Bridge, Acts of 1921	4½s	18,000 00
Nov. 1, 1934	Northern Traffic Route, Acts of 1924	4½s	50,000 00
Dec. 1, 1934	Sewer separate system	4s	500 00
Dec. 1, 1934	Sewer construction	4½s	1,000 00
Dec. 1, 1934	Sewer construction	4½s	500 00
Dec. 1, 1934	Street construction	4s	5,000 00
Dec. 1, 1934	Building	4s	1,000 00
Dec. 1, 1934	Combined street and sewer	4s	3,000 00
Dec. 1, 1934	Street	3¾s	5,000 00
Dec. 1, 1934	City of Cambridge, Charles River Bridge, Acts of 1921	3¾s	5,000 00
<i>Amount carried forward</i>			\$2,252,850 00

<i>Amount brought forward</i>			\$2,252,850 00
Dec. 1, 1934	Building	3 $\frac{3}{4}$ s	\$7,000 00
Dec. 1, 1934	Third Street Bridge	3 $\frac{3}{4}$ s	2,500 00
Dec. 1, 1934	Street	4 $\frac{1}{4}$ s	9,000 00
Dec. 1, 1934	Schoolhouse	4 $\frac{1}{4}$ s	35,000 00
Dec. 1, 1934	Building	4 $\frac{1}{4}$ s	3,000 00
Dec. 1, 1934	City Hospital, Acts of 1929	4 $\frac{1}{2}$ s	35,000 00
Dec. 1, 1934	School, Acts of 1928	4 $\frac{1}{2}$ s	20,000 00
Dec. 1, 1934	Street	4 $\frac{1}{2}$ s	3,000 00
Dec. 1, 1934	Street	4s	12,500 00
Jan. 1, 1935	Sewer	4s	500 00
Jan. 1, 1935	Schoolhouse	4s	3,250 00
Feb. 1, 1935	Building (schoolhouse)	4s	500 00
Mar. 1, 1935	Hospital	4s	4,500 00
Mar. 1, 1935	Building	4s	2,000 00
Mar. 1, 1935	Land for playground	4s	500 00
Mar. 1, 1935	Sewer separate system	4s	1,500 00
Mar. 1, 1935	Sewer separate system	4s	2,000 00
Mar. 1, 1935	Sewer separate system	3 $\frac{3}{4}$ s	3,000 00
Mar. 1, 1935	Land for playground	4s	300 00
Mar. 1, 1935	Sewer separate system	4 $\frac{1}{4}$ s	4,000 00
Mar. 1, 1935	School	4s	2,000 00
Mar. 1, 1935	Separate system of sewers	4s	3,000 00
April 1, 1935	Sewer construction	4 $\frac{1}{2}$ s	500 00
April 1, 1935	Main Street, Broadway widening	4s	29,000 00
May 1, 1935	Sewer	3 $\frac{1}{2}$ s	500 00
May 1, 1935	Cambridge Bridge	4s	2,000 00
June 1, 1935	Cemetery	4s	1,000 00
June 1, 1935	Hospital building	4s	2,000 00
June 1, 1935	Sewer construction	4s	500 00
June 1, 1935	Sewer separate system	4s	500 00
June 1, 1935	Building	4 $\frac{1}{4}$ s	1,000 00
June 1, 1935	First Street Bridge	4 $\frac{1}{4}$ s	1,000 00
June 1, 1935	Street	4s	1,500 00
June 1, 1935	Sewer separate system	4 $\frac{1}{4}$ s	1,500 00
June 1, 1935	Alewife Brook Fresh Pond Highway	3 $\frac{1}{2}$ s	15,000 00
July 1, 1935	Building	4s	4,000 00
July 1, 1935	Sewer	4s	500 00
July 1, 1935	Sewer separate system	4s	500 00
July 1, 1935	Playground	4s	1,000 00
July 1, 1935	Park	4s	1,000 00
July 1, 1935	Sewer separate system	4s	1,000 00
July 1, 1935	Schoolhouse	4 $\frac{1}{2}$ s	5,000 00
July 1, 1935	Building	4 $\frac{1}{2}$ s	4,000 00
July 1, 1935	Sewer	4 $\frac{1}{2}$ s	1,000 00
July 1, 1935	Street	4s	10,000 00
July 1, 1935	School	4s	33,000 00
July 1, 1935	Street	3 $\frac{1}{2}$ s	10,000 00
July 1, 1935	Street	3 $\frac{1}{2}$ s	20,000 00
July 15, 1935	Schoolhouse	4 $\frac{1}{4}$ s	4,000 00
July 15, 1935	Sewer construction	4s	1,000 00
July 15, 1935	Sewer separate system	4s	1,000 00
Aug. 1, 1935	Street	4s	15,000 00
Sept. 1, 1935	Building	4 $\frac{1}{2}$ s	1,000 00
Sept. 1, 1935	Park	3 $\frac{1}{2}$ s	1,000 00
Sept. 1, 1935	Park	4s	1,000 00
Sept. 1, 1935	Sewer separate system	4 $\frac{1}{2}$ s	3,000 00
Sept. 1, 1935	Street	4 $\frac{1}{2}$ s	13,000 00

Amount carried forward \$2,607,400 00

<i>Amount brought forward</i>		\$2,607,400 00
Sept. 1, 1935	Street construction 4½s	\$35,000 00
Oct. 1, 1935	Sewer construction 4½s	1,500 00
Oct. 1, 1935	Hospital 4½s	8,000 00
Oct. 1, 1935	Sewer 5s	1,000 00
Oct. 1, 1935	Hospital 5s	2,500 00
Oct. 1, 1935	Sewer 5s	1,000 00
Oct. 1, 1935	Sewer 5s	500 00
Oct. 1, 1935	Building 4½s	2,000 00
Oct. 1, 1935	Sewer construction 4½s	2,000 00
Oct. 1, 1935	Sewer separate system 4½s	1,500 00
Oct. 1, 1935	Schoolhouse 4s	13,000 00
Oct. 1, 1935	First Street Bridge 4s	4,000 00
Oct. 1, 1935	Sewer construction 4s	500 00
Oct. 1, 1935	Sewer separate system 4s	1,000 00
Oct. 1, 1935	Sixth Street Bridge 4s	2,000 00
Oct. 1, 1935	Land for playground 4s	1,000 00
Oct. 1, 1935	Separate system of sewers 4s	2,500 00
Oct. 1, 1935	Street 4¼s	31,000 00
Oct. 1, 1935	Land for playground 4¼s	500 00
Oct. 1, 1935	Sewer separate system 4¼s	2,500 00
Oct. 1, 1935	Church Street widening 4s	3,500 00
Oct. 1, 1935	Schoolhouse 4s	1,000 00
Oct. 1, 1935	Street 4s	7,500 00
Oct. 1, 1935	Street 4s	30,000 00
Oct. 1, 1935	City of Cambridge, Charles River Bridge, Acts of 1921 4s	5,000 00
Oct. 1, 1935	Separate system of sewers 4s	1,000 00
Oct. 1, 1935	Street 4s	38,000 00
Oct. 1, 1935	Building 4s	22,000 00
Oct. 1, 1935	Separate system of sewers 4s	1,000 00
Oct. 1, 1935	Street 4¼s	35,500 00
Oct. 1, 1935	Building 4¼s	2,500 00
Oct. 1, 1935	Sewer separate system 4¼s	500 00
Oct. 1, 1935	Street 4¼s	10,000 00
Nov. 1, 1935	Sewer 3½s	500 00
Nov. 1, 1935	Charles River Bridge, Acts of 1921 4½s	18,000 00
Nov. 1, 1935	Northern Traffic Route, Act of 1924 4¼s	50,000 00
Dec. 1, 1935	Sewer separate system 4s	500 00
Dec. 1, 1935	Sewer construction 4½s	1,000 00
Dec. 1, 1935	Sewer construction 4½s	500 00
Dec. 1, 1935	Building 4s	1,000 00
Dec. 1, 1935	Combined street and sewer 4s	3,000 00
Dec. 1, 1935	Street 3¾s	5,000 00
Dec. 1, 1935	City of Cambridge, Charles River Bridge, Acts of 1921 3¾s	5,000 00
Dec. 1, 1935	Building 3¾s	7,000 00
Dec. 1, 1935	Third Street Bridge 3¾s	2,500 00
Dec. 1, 1935	Street 4¼s	9,000 00
Dec. 1, 1935	Schoolhouse 4¼s	35,000 00
Dec. 1, 1935	Building 4¼s	3,000 00
Dec. 1, 1935	City Hospital, Acts of 1929 4½s	35,000 00
Dec. 1, 1935	School, Acts of 1928 4½s	20,000 00
Dec. 1, 1935	Street 4s	12,500 00
Jan. 1, 1936	Sewer 4s	500 00
Feb. 1, 1936	Building (schoolhouse) 4s	500 00
Mar. 1, 1936	Hospital 4s	4,500 00
Mar. 1, 1936	Building 4s	2,000 00
<i>Amount carried forward</i>		\$3,093,900 00

<i>Amount brought forward</i>			\$3,093,900 00
Mar. 1, 1936	Land for playground.....	4s	\$500 00
Mar. 1, 1936	Sewer separate system.....	4s	1,500 00
Mar. 1, 1936	Sewer separate system.....	4s	2,000 00
Mar. 1, 1936	Land for playground.....	4s	300 00
Mar. 1, 1936	Sewer separate system.....	3 $\frac{3}{4}$ s	3,000 00
Mar. 1, 1936	Sewer separate system.....	4 $\frac{1}{4}$ s	4,000 00
Mar. 1, 1936	School.....	4s	2,000 00
Mar. 1, 1936	Separate system of sewers.....	4s	3,000 00
April 1, 1936	Sewer construction.....	4 $\frac{1}{2}$ s	500 00
April 1, 1936	Main Street, Broadway widening...	4s	29,000 00
May 1, 1936	Sewer.....	3 $\frac{1}{2}$ s	500 00
May 1, 1936	Cambridge Bridge.....	4s	2,000 00
June 1, 1936	Cemetery.....	4s	1,000 00
June 1, 1936	Hospital Building.....	4s	2,000 00
June 1, 1936	Sewer construction.....	4s	500 00
June 1, 1936	Sewer separate system.....	4s	500 00
June 1, 1936	Building.....	4 $\frac{1}{4}$ s	1,000 00
June 1, 1936	First Street Bridge.....	4 $\frac{1}{4}$ s	1,000 00
June 1, 1936	Sewer separate system.....	4 $\frac{1}{4}$ s	1,500 00
June 1, 1936	Street.....	4s	15,000 00
June 1, 1936	Alewife Brook Fresh Pond Highway	3 $\frac{1}{2}$ s	15,000 00
July 1, 1936	Sewer.....	4s	500 00
July 1, 1936	Sewer separate system.....	4s	500 00
July 1, 1936	Sewer separate system.....	4s	1,000 00
July 1, 1936	Park.....	4s	1,000 00
July 1, 1936	Schoolhouse.....	4 $\frac{1}{2}$ s	5,000 00
July 1, 1936	Building.....	4 $\frac{1}{2}$ s	4,000 00
July 1, 1936	School.....	4s	33,000 00
July 1, 1936	Sewer.....	4 $\frac{1}{2}$ s	1,000 00
July 1, 1936	Playground.....	4s	500 00
July 1, 1936	Street.....	3 $\frac{1}{2}$ s	10,000 00
July 1, 1936	Street.....	3 $\frac{1}{2}$ s	20,000 00
July 15, 1936	Schoolhouse.....	4 $\frac{1}{4}$ s	4,000 00
July 15, 1936	Sewer construction.....	4s	1,000 00
July 15, 1936	Sewer separate system.....	4s	1,000 00
Aug. 1, 1936	Street.....	4s	15,000 00
Sept. 1, 1936	Park.....	4s	1,000 00
Sept. 1, 1936	Building.....	4 $\frac{1}{2}$ s	1,000 00
Sept. 1, 1936	Park.....	3 $\frac{1}{2}$ s	1,000 00
Sept. 1, 1936	Sewer separate system.....	4 $\frac{1}{2}$ s	3,000 00
Sept. 1, 1936	Street.....	4 $\frac{1}{2}$ s	13,000 00
Sept. 1, 1936	Street.....	4 $\frac{1}{2}$ s	35,000 00
Oct. 1, 1936	Sewer construction.....	4 $\frac{1}{2}$ s	1,500 00
Oct. 1, 1936	Hospital.....	4 $\frac{1}{2}$ s	8,000 00
Oct. 1, 1936	Sewer.....	5s	1,000 00
Oct. 1, 1936	Hospital.....	5s	2,500 00
Oct. 1, 1936	Sewer.....	5s	1,000 00
Oct. 1, 1936	Sewer.....	5s	500 00
Oct. 1, 1936	Schoolhouse.....	4s	1,000 00
Oct. 1, 1936	Building.....	4 $\frac{1}{2}$ s	2,000 00
Oct. 1, 1936	Sewer construction.....	4 $\frac{1}{2}$ s	2,000 00
Oct. 1, 1936	Sewer separate system.....	4 $\frac{1}{2}$ s	1,500 00
Oct. 1, 1936	Schoolhouse.....	4s	13 000 00
Oct. 1, 1936	First Street Bridge.....	4s	4,000 00
Oct. 1, 1936	Sewer construction.....	4s	500 00
Oct. 1, 1936	Sewer separate system.....	4s	1,000 00
Oct. 1, 1936	Sixth Street Bridge.....	4s	2,000 00

Amount carried forward..... \$3,372,700 00

<i>Amount brought forward</i>			\$3,372,700 00
Oct. 1, 1936	Land for playground	4s	\$1,000 00
Oct. 1, 1936	Separate system of sewers	4s	2,500 00
Oct. 1, 1936	Land for playground	4 $\frac{1}{4}$ s	500 00
Oct. 1, 1936	Sewer separate system	4 $\frac{1}{4}$ s	2,500 00
Oct. 1, 1936	Church Street widening	4s	3,500 00
Oct. 1, 1936	Street	4s	7,500 00
Oct. 1, 1936	Street	4s	30,000 00
Oct. 1, 1936	City of Cambridge, Charles River		
	Bridge, Acts of 1921	4s	5,000 00
Oct. 1, 1936	Separate system of sewers	4s	1,000 00
Oct. 1, 1936	Street	4s	38,000 00
Oct. 1, 1936	Building	4s	22,000 00
Oct. 1, 1936	Separate system of sewers	4s	1,000 00
Oct. 1, 1936	Street	4 $\frac{1}{4}$ s	35,500 00
Oct. 1, 1936	Building	4 $\frac{1}{4}$ s	2,500 00
Oct. 1, 1936	Sewer separate system	4 $\frac{1}{4}$ s	500 00
Oct. 1, 1936	Street	4 $\frac{1}{4}$ s	10,000 00
Nov. 1, 1936	Sewer	3 $\frac{1}{2}$ s	500 00
Nov. 1, 1936	Charles River Bridge, Acts of 1921 . .	4 $\frac{1}{2}$ s	18,000 00
Nov. 1, 1936	Northern Traffic Route, Act of 1924 .	4 $\frac{1}{2}$ s	50,000 00
Dec. 1, 1936	City Hospital, Acts of 1929	4 $\frac{1}{2}$ s	35,000 00
Dec. 1, 1936	Sewer separate system	4s	500 00
Dec. 1, 1936	Sewer construction	4 $\frac{1}{2}$ s	500 00
Dec. 1, 1936	Sewer construction	4 $\frac{1}{2}$ s	1,000 00
Dec. 1, 1936	Building	4s	1,000 00
Dec. 1, 1936	Combined street and sewer	4s	3,000 00
Dec. 1, 1936	Street	3 $\frac{3}{4}$ s	5,000 00
Dec. 1, 1936	City of Cambridge, Charles River		
	Bridge, Acts of 1921	3 $\frac{3}{4}$ s	5,000 00
Dec. 1, 1936	Building	3 $\frac{3}{4}$ s	7,000 00
Dec. 1, 1936	Third Street Bridge	3 $\frac{3}{4}$ s	2,500 00
Dec. 1, 1936	Street	4 $\frac{1}{4}$ s	9,000 00
Dec. 1, 1936	Schoolhouse	4 $\frac{1}{4}$ s	35,000 00
Dec. 1, 1936	Building	4 $\frac{1}{4}$ s	3,000 00
Dec. 1, 1936	School, Acts of 1928	4 $\frac{1}{2}$ s	20,000 00
Dec. 1, 1936	Street	4s	7,500 00
Jan. 1, 1937	Sewer	4s	500 00
Mar. 1, 1937	Land for playground	4s	500 00
Mar. 1, 1937	Sewer separate system	4s	1,500 00
Mar. 1, 1937	Sewer separate system	4s	2,000 00
Mar. 1, 1937	Sewer separate system	3 $\frac{3}{4}$ s	3,000 00
Mar. 1, 1937	Sewer separate system	4 $\frac{1}{4}$ s	4,000 00
Mar. 1, 1937	School	4s	2,000 00
Mar. 1, 1937	Separate system of sewers	4s	3,000 00
April 1, 1937	Sewer construction	4 $\frac{1}{2}$ s	500 00
April 1, 1937	Main Street, Broadway widening . .	4s	29,000 00
May 1, 1937	Sewer	3 $\frac{1}{2}$ s	500 00
May 1, 1937	Cambridge Bridge	4s	2,000 00
June 1, 1937	Cemetery	4s	1,000 00
June 1, 1937	Hospital building	4s	2,000 00
June 1, 1937	Sewer construction	4s	500 00
June 1, 1937	Sewer separate system	4s	500 00
June 1, 1937	Building	4 $\frac{1}{4}$ s	1,000 00
June 1, 1937	Street	4s	15,000 00
June 1, 1937	First Street Bridge	4 $\frac{1}{4}$ s	1,000 00
June 1, 1937	Sewer separate system	4 $\frac{1}{4}$ s	1,500 00
June 1, 1937	Alewife Brook Fresh Pond Highway .	3 $\frac{1}{2}$ s	15,000 00

Amount carried forward \$3,825,200 00

<i>Amount brought forward</i>			\$3,825,200 00
July 1, 1937	Sewer separate system	4s	\$500 00
July 1, 1937	Sewer	4s	500 00
July 1, 1937	Sewer separate system	4s	1,000 00
July 1, 1937	Park	4s	1,000 00
July 1, 1937	Schoolhouse	4 $\frac{1}{2}$ s	5,000 00
July 1, 1937	Building	4 $\frac{1}{2}$ s	4,000 00
July 1, 1937	Sewer	4 $\frac{1}{2}$ s	1,000 00
July 1, 1937	Playground	4s	500 00
July 1, 1937	School	4s	33,000 00
July 1, 1937	Street	3 $\frac{1}{2}$ s	10,000 00
July 15, 1937	Schoolhouse	4 $\frac{1}{4}$ s	4,000 00
July 15, 1937	Sewer construction	4s	1,000 00
July 15, 1937	Sewer separate system	4s	1,000 00
Aug. 1, 1937	Street	4s	15,000 00
Sept. 1, 1937	Building	4 $\frac{1}{2}$ s	1,000 00
Sept. 1, 1937	Park	3 $\frac{1}{2}$ s	1,000 00
Sept. 1, 1937	Park	4s	1,000 00
Sept. 1, 1937	Sewer separate system	4 $\frac{1}{2}$ s	3,000 00
Sept. 1, 1937	Street	4 $\frac{1}{2}$ s	13,000 00
Sept. 1, 1937	Street	4 $\frac{1}{2}$ s	35,000 00
Oct. 1, 1937	Sewer construction	4 $\frac{1}{2}$ s	1,500 00
Oct. 1, 1937	Hospital	4 $\frac{1}{2}$ s	8,000 00
Oct. 1, 1937	Sewer	5s	1,000 00
Oct. 1, 1937	Hospital	5s	2,500 00
Oct. 1, 1937	Sewer	5s	1,000 00
Oct. 1, 1937	Sewer	5s	500 00
Oct. 1, 1937	Building	4 $\frac{1}{2}$ s	2,000 00
Oct. 1, 1937	Sewer construction	4 $\frac{1}{2}$ s	2,000 00
Oct. 1, 1937	Sewer separate system	4 $\frac{1}{2}$ s	1,500 00
Oct. 1, 1937	Schoolhouse	4s	13,000 00
Oct. 1, 1937	First Street Bridge	4s	4,000 00
Oct. 1, 1937	Sewer construction	4s	500 00
Oct. 1, 1937	Sewer separate system	4s	1,000 00
Oct. 1, 1937	Sixth Street Bridge	4s	2,000 00
Oct. 1, 1937	Land for playground	4s	1,000 00
Oct. 1, 1937	Separate system of sewers	4s	2,500 00
Oct. 1, 1937	Land for playground	4 $\frac{1}{4}$ s	500 00
Oct. 1, 1937	Sewer separate system	4 $\frac{1}{4}$ s	2,500 00
Oct. 1, 1937	City of Cambridge, Charles River Bridge, Acts of 1921	4s	5,000 00
Oct. 1, 1937	Separate system of sewers	4s	1,000 00
Oct. 1, 1937	Street	4s	38,000 00
Oct. 1, 1937	Building	4s	22,000 00
Oct. 1, 1937	Separate system of sewers	4s	1,000 00
Oct. 1, 1937	Schoolhouse	4s	1,000 00
Oct. 1, 1937	Street	4 $\frac{1}{4}$ s	35,500 00
Oct. 1, 1937	Building	4 $\frac{1}{4}$ s	2,500 00
Oct. 1, 1937	Sewer separate system	4 $\frac{1}{4}$ s	500 00
Oct. 1, 1937	Charles River Bridge, Acts of 1921	4 $\frac{1}{2}$ s	18,000 00
Oct. 1, 1937	Northern Traffic Route, Act of 1924	4 $\frac{1}{2}$ s	50,000 00
Oct. 1, 1937	Street	4 $\frac{1}{4}$ s	10,000 00
Dec. 1, 1937	Sewer separate system	4s	500 00
Dec. 1, 1937	Sewer construction	4 $\frac{1}{2}$ s	1,000 00
Dec. 1, 1937	Sewer construction	4 $\frac{1}{2}$ s	500 00
Dec. 1, 1937	Building	4s	1,000 00
Dec. 1, 1937	Street	3 $\frac{3}{4}$ s	5,000 00
Dec. 1, 1937	City of Cambridge, Charles River Bridge, Acts of 1921	3 $\frac{3}{4}$ s	5,000 00
<i>Amount carried forward</i>			\$4,201,200 00

<i>Amount brought forward</i>			\$4,201,200 00
Dec. 1, 1937	Building	3 $\frac{3}{4}$ s	\$7,000 00
Dec. 1, 1937	Third Street Bridge	3 $\frac{3}{4}$ s	2,500 00
Dec. 1, 1937	Street	4 $\frac{1}{4}$ s	9,000 00
Dec. 1, 1937	Schoolhouse	4 $\frac{1}{4}$ s	35,000 00
Dec. 1, 1937	Building	4 $\frac{1}{4}$ s	3,000 00
Dec. 1, 1937	City Hospital, Acts of 1929	4 $\frac{1}{2}$ s	35,000 00
Dec. 1, 1937	School	4 $\frac{1}{2}$ s	20,000 00
Dec. 1, 1937	Street	4s	7,500 00
Jan. 1, 1938	Sewer	4s	500 00
Mar. 1, 1938	Land for playground	4s	500 00
Mar. 1, 1938	Sewer separate system	4s	1,500 00
Mar. 1, 1938	Sewer separate system	4s	2,000 00
Mar. 1, 1938	Sewer separate system	3 $\frac{3}{4}$ s	3,000 00
Mar. 1, 1938	Sewer separate system	4 $\frac{1}{4}$ s	3,000 00
Mar. 1, 1938	School	4s	2,000 00
Mar. 1, 1938	Separate system of sewers	4s	3,000 00
May 1, 1938	Sewer	3 $\frac{1}{2}$ s	500 00
May 1, 1938	Cambridge Bridge	4s	2,000 00
June 1, 1938	Hospital Building	4s	2,000 00
June 1, 1938	Sewer construction	4s	500 00
June 1, 1938	Sewer separate system	4s	500 00
June 1, 1938	Building	4 $\frac{1}{4}$ s	1,000 00
June 1, 1938	Sewer separate system	4 $\frac{1}{4}$ s	1,500 00
June 1, 1938	First Street Bridge	4 $\frac{1}{4}$ s	1,000 00
June 1, 1938	Street	4s	15,000 00
June 1, 1938	Alewife Brook Fresh Pond Highway	3 $\frac{1}{2}$ s	15,000 00
July 1, 1938	Sewer	4s	500 00
July 1, 1938	Sewer separate system	4s	500 00
July 1, 1938	Sewer separate system	4s	1,000 00
July 1, 1938	Park	4s	1,000 00
July 1, 1938	Sewer	4 $\frac{1}{2}$ s	1,000 00
July 1, 1938	Playground	4s	500 00
July 1, 1938	School	4s	33,000 00
July 1, 1938	Street	3 $\frac{1}{2}$ s	10,000 00
July 15, 1938	Schoolhouse	4 $\frac{1}{4}$ s	4,000 00
July 15, 1938	Sewer construction	4s	1,000 00
July 15, 1938	Sewer separate system	4s	1,000 00
Aug. 1, 1938	Street	4s	15,000 00
Sept. 1, 1938	Park	3 $\frac{1}{2}$ s	1,000 00
Sept. 1, 1938	Park	4s	1,000 00
Sept. 1, 1938	Sewer separate system	4 $\frac{1}{2}$ s	3,000 00
Sept. 1, 1938	Street	4 $\frac{1}{2}$ s	13,000 00
Sept. 1, 1938	Street	4 $\frac{1}{2}$ s	35,000 00
Oct. 1, 1938	Sewer construction	4 $\frac{1}{2}$ s	1,500 00
Oct. 1, 1938	Hospital	4 $\frac{1}{2}$ s	3,000 00
Oct. 1, 1938	Sewer	5s	1,000 00
Oct. 1, 1938	Hospital	5s	2,500 00
Oct. 1, 1938	Sewer	5s	1,000 00
Oct. 1, 1938	Sewer	5s	500 00
Oct. 1, 1938	Building	4 $\frac{1}{2}$ s	2,000 00
Oct. 1, 1938	Sewer construction	4 $\frac{1}{2}$ s	2,000 00
Oct. 1, 1938	Sewer separate system	4 $\frac{1}{2}$ s	1,500 00
Oct. 1, 1938	Schoolhouse	4s	13,000 00
Oct. 1, 1938	First Street Bridge	4s	4,000 00
Oct. 1, 1938	Sewer construction	4s	500 00
Oct. 1, 1938	Sewer separate system	4s	1,000 00
Oct. 1, 1938	Sixth Street Bridge	4s	2,000 00

Amount carried forward \$4,531,700 00

<i>Amount brought forward</i>			\$4,531,700 00
Oct. 1, 1938	Land for playground	4s	\$1,000 00
Oct. 1, 1938	Separate system of sewers	4s	2,500 00
Oct. 1, 1938	Land for playground	4 $\frac{1}{4}$ s	500 00
Oct. 1, 1938	Sewer separate system	4 $\frac{1}{4}$ s	2,500 00
Oct. 1, 1938	City of Cambridge, Charles River Bridge, Acts of 1921	4s	5,000 00
Oct. 1, 1938	Separate system of sewers	4s	1,000 00
Oct. 1, 1938	Building	4s	22,000 00
Oct. 1, 1938	Separate system of sewers	4s	1,000 00
Oct. 1, 1938	Schoolhouse	4s	1,000 00
Oct. 1, 1938	Street	4 $\frac{1}{4}$ s	35,500 00
Oct. 1, 1938	Building	4 $\frac{1}{4}$ s	2,500 00
Oct. 1, 1938	Sewer separate system	4 $\frac{1}{4}$ s	500 00
Oct. 1, 1938	Charles River Bridge, Acts of 1921	4 $\frac{1}{4}$ s	18,000 00
Oct. 1, 1938	Northern Traffic Route, Act of 1924	4 $\frac{1}{2}$ s	50,000 00
Oct. 1, 1938	Street	4 $\frac{1}{4}$ s	10,000 00
Dec. 1, 1938	Sewer separate system	4s	500 00
Dec. 1, 1938	Sewer construction	4 $\frac{1}{2}$ s	1,000 00
Dec. 1, 1938	Sewer construction	4 $\frac{1}{2}$ s	500 00
Dec. 1, 1938	Building	4s	1,000 00
Dec. 1, 1938	City of Cambridge, Charles River Bridge, Acts of 1921	3 $\frac{3}{4}$ s	5,000 00
Dec. 1, 1938	Building	3 $\frac{3}{4}$ s	7,000 00
Dec. 1, 1938	Third Street Bridge	3 $\frac{3}{4}$ s	2,500 00
Dec. 1, 1938	Street	4 $\frac{1}{4}$ s	4,000 00
Dec. 1, 1938	Schoolhouse	4 $\frac{1}{4}$ s	35,000 00
Dec. 1, 1938	Building	4 $\frac{1}{4}$ s	3,000 00
Dec. 1, 1938	City Hospital, Acts of 1929	4 $\frac{1}{2}$ s	35,000 00
Dec. 1, 1938	School, Acts of 1928	4 $\frac{1}{2}$ s	20,000 00
Dec. 1, 1938	Street	4s	7,500 00
Jan. 1, 1939	Sewer	4s	500 00
Mar. 1, 1939	Land for playground	4s	500 00
Mar. 1, 1939	Sewer separate system	4s	1,500 00
Mar. 1, 1939	Sewer separate system	4s	2,000 00
Mar. 1, 1939	Sewer separate system	3 $\frac{3}{4}$ s	3,000 00
Mar. 1, 1939	Sewer separate system	4 $\frac{1}{4}$ s	3,000 00
Mar. 1, 1939	School	4s	2,000 00
Mar. 1, 1939	Separate system of sewers	4s	3,000 00
May 1, 1939	Sewer	3 $\frac{1}{2}$ s	500 00
May 1, 1939	Cambridge Bridge	4s	2,000 00
June 1, 1939	Hospital building	4s	2,000 00
June 1, 1939	Sewer construction	4s	500 00
June 1, 1939	Sewer separate system	4s	500 00
June 1, 1939	Building	4 $\frac{1}{4}$ s	1,000 00
June 1, 1939	Sewer separate system	4 $\frac{1}{4}$ s	1,500 00
June 1, 1939	First Street Bridge	4 $\frac{1}{4}$ s	1,000 00
June 1, 1939	Street	4s	15,000 00
June 1, 1939	Alewife Brook Fresh Pond Highway	3 $\frac{1}{2}$ s	15,000 00
July 1, 1939	Sewer	4s	500 00
July 1, 1939	Sewer separate system	4s	500 00
July 1, 1939	Park	4s	1,000 00
July 1, 1939	Sewer separate system	4s	1,000 00
July 1, 1939	Sewer	4 $\frac{1}{2}$ s	1,000 00
July 1, 1939	Playground	4s	500 00
July 1, 1939	School	4s	33,000 00
July 1, 1939	Street	3 $\frac{1}{2}$ s	10,000 00
July 15, 1939	Schoolhouse	4 $\frac{1}{4}$ s	4,000 00

Amount carried forward \$4,912,700 00

<i>Amount brought forward</i>			\$4,912,700 00
July 15, 1939	Sewer construction	4s	\$1,000 00
July 15, 1939	Sewer separate system	4s	1,000 00
Aug. 1, 1939	Street	4s	15,000 00
Sept. 1, 1939	Park	3½s	1,000 00
Sept. 1, 1939	Park	4s	1,000 00
Sept. 1, 1939	Sewer separate system	4½s	3,000 00
Sept. 1, 1939	Street	4½s	13,000 00
Sept. 1, 1939	Street	4½s	35,000 00
Oct. 1, 1939	Sewer construction	4½s	1,500 00
Oct. 1, 1939	Hospital	4½s	3,000 00
Oct. 1, 1939	Sewer	5s	1,000 00
Oct. 1, 1939	Hospital	5s	2,500 00
Oct. 1, 1939	Sewer	5s	1,000 00
Oct. 1, 1939	Sewer	5s	500 00
Oct. 1, 1939	Building	4½s	2,000 00
Oct. 1, 1939	Sewer construction	4½s	2,000 00
Oct. 1, 1939	Sewer separate system	4½s	1,500 00
Oct. 1, 1939	Schoolhouse	4s	13,000 00
Oct. 1, 1939	First Street Bridge	4s	4,000 00
Oct. 1, 1939	Sewer construction	4s	500 00
Oct. 1, 1939	Sewer separate system	4s	1,000 00
Oct. 1, 1939	Sixth Street Bridge	4s	2,000 00
Oct. 1, 1939	Land for playground	4s	1,000 00
Oct. 1, 1939	Separate system of sewers	4s	2,500 00
Oct. 1, 1939	Land for playground	4¼s	500 00
Oct. 1, 1939	Sewer separate system	4¼s	2,500 00
Oct. 1, 1939	City of Cambridge, Charles River		
	Bridge, Acts of 1921	4s	5,000 00
Oct. 1, 1939	Separate system of sewers	4s	1,000 00
Oct. 1, 1939	Building	4s	22,000 00
Oct. 1, 1939	Separate system of sewers	4s	1,000 00
Oct. 1, 1939	Schoolhouse	4s	1,000 00
Oct. 1, 1939	Building	4¼s	2,500 00
Oct. 1, 1939	Sewer	4¼s	500 00
Oct. 1, 1939	Street	4¼s	10,000 00
Nov. 1, 1939	Charles River Bridge, Acts of 1921	4½s	18,000 00
Nov. 1, 1939	Northern Traffic Route, Act of 1924	4½s	50,000 00
Dec. 1, 1939	Sewer separate system	4s	500 00
Dec. 1, 1939	Sewer construction	4½s	500 00
Dec. 1, 1939	Building	4s	1,000 00
Dec. 1, 1939	City of Cambridge, Charles River		
	Bridge, Acts of 1921	3¾s	5,000 00
Dec. 1, 1939	Building	3¾s	7,000 00
Dec. 1, 1939	Third Street Bridge	3¾s	2,500 00
Dec. 1, 1939	Schoolhouse	4¼s	35,000 00
Dec. 1, 1939	Building	4¼s	2,000 00
Dec. 1, 1939	City Hospital, Acts of 1929	4½s	35,000 00
Dec. 1, 1939	School, Acts of 1928	4½s	20,000 00
Dec. 1, 1939	Street	4s	7,500 00
Jan. 1, 1940	Sewer	4s	500 00
Mar. 1, 1940	Land for playground	4s	500 00
Mar. 1, 1940	Sewer separate system	4s	1,500 00
Mar. 1, 1940	Sewer separate system	4s	2,000 00
Mar. 1, 1940	Sewer separate system	3¾s	3,000 00
Mar. 1, 1940	Sewer separate system	4¼s	3,000 00
Mar. 1, 1940	School	4s	2,000 00
Mar. 1, 1940	Separate system of sewers	4s	3,000 00

Amount carried forward \$5,267,200 00

<i>Amount brought forward</i>			\$5,267,200 00
May 1, 1940	Sewer	3½s	\$500 00
May 1, 1940	Cambridge Bridge	4s	2,000 00
June 1, 1940	Hospital building	4s	2,000 00
June 1, 1940	Sewer construction	4s	500 00
June 1, 1940	Sewer separate system	4s	500 00
June 1, 1940	Building	4¼s	1,000 00
June 1, 1940	Sewer separate system	4¼s	1,500 00
June 1, 1940	First Street Bridge	4¼s	1,000 00
June 1, 1940	Street	4s	15,000 00
June 1, 1940	Alewife Brook Fresh Pond Highway	3½s	15,000 00
July 1, 1940	Sewer	4s	500 00
July 1, 1940	Sewer separate system	4s	500 00
July 1, 1940	Park	4s	1,000 00
July 1, 1940	Sewer	4½s	1,000 00
July 1, 1940	Playground	4s	500 00
July 1, 1940	Sewer separate system	4s	1,000 00
July 1, 1940	School	4s	33,000 00
July 1, 1940	Street	3½s	10,000 00
July 15, 1940	Schoolhouse	4½s	4,000 00
July 15, 1940	Sewer construction	4s	1,000 00
July 15, 1940	Sewer separate system	4s	1,000 00
Aug. 1, 1940	Street	4s	15,000 00
Sept. 1, 1940	Park	3½s	1,000 00
Sept. 1, 1940	Park	4s	1,000 00
Sept. 1, 1940	Sewer separate system	4½s	3,000 00
Oct. 1, 1940	Sewer construction	4½s	1,500 00
Oct. 1, 1940	Sewer	5s	1,000 00
Oct. 1, 1940	Hospital	5s	2,500 00
Oct. 1, 1940	Sewer	5s	1,000 00
Oct. 1, 1940	Sewer	5s	500 00
Oct. 1, 1940	Building	4½s	2,000 00
Oct. 1, 1940	Sewer construction	4½s	2,000 00
Oct. 1, 1940	Sewer separate system	4½s	1,500 00
Oct. 1, 1940	Schoolhouse	4s	13,000 00
Oct. 1, 1940	First Street Bridge	4s	4,000 00
Oct. 1, 1940	Sewer construction	4s	500 00
Oct. 1, 1940	Sewer separate system	4s	1,000 00
Oct. 1, 1940	Land for playground	4s	1,000 00
Oct. 1, 1940	Sewer separate system	4s	2,500 00
Oct. 1, 1940	Land for playground	4¼s	500 00
Oct. 1, 1940	Sewer separate system	4¼s	2,500 00
Oct. 1, 1940	City of Cambridge, Charles River Bridge, Acts of 1921	4s	5,000 00
Oct. 1, 1940	Building	4s	22,000 00
Oct. 1, 1940	Separate system of sewers	4s	1,000 00
Oct. 1, 1940	Separate system of sewers	4s	1,000 00
Oct. 1, 1940	Sixth Street Bridge	4s	2,000 00
Oct. 1, 1940	Schoolhouse	4s	1,000 00
Oct. 1, 1940	Building	4¼s	2,500 00
Oct. 1, 1940	Sewer separate system	4¼s	500 00
Oct. 1, 1940	Charles River Bridge, Acts of 1921	4½s	18,000 00
Oct. 1, 1940	Street	4¼s	10,000 00
Dec. 1, 1940	Sewer separate system	4s	500 00
Dec. 1, 1940	Sewer construction	4½s	500 00
Dec. 1, 1940	City of Cambridge, Charles River Bridge, Acts of 1921	3¾s	5,000 00
Dec. 1, 1940	Building	3¾s	7,000 00

Amount carried forward \$5,492,700 00

<i>Amount brought forward</i>			\$5,492,700 00
Dec. 1, 1940	Third Street Bridge	3 $\frac{3}{4}$ s	\$2,500 00
Dec. 1, 1940	Schoolhouse	4 $\frac{1}{4}$ s	35,000 00
Dec. 1, 1940	Building	4 $\frac{1}{4}$ s	2,000 00
Dec. 1, 1940	Schoolhouse, Acts of 1928	4 $\frac{1}{2}$ s	20,000 00
Dec. 1, 1940	City Hospital, Acts of 1929	4 $\frac{1}{2}$ s	30,000 00
Dec. 1, 1940	Street	4s	7,500 00
Jan. 1, 1941	Sewer	4s	500 00
Mar. 1, 1941	Land for playground	4s	500 00
Mar. 1, 1941	Sewer separate system	4s	1,500 00
Mar. 1, 1941	Sewer separate system	4s	2,000 00
Mar. 1, 1941	Separate system of sewers	3 $\frac{3}{4}$ s	3,000 00
Mar. 1, 1941	Sewer separate system	4 $\frac{1}{4}$ s	3,000 00
Mar. 1, 1941	School	4s	2,000 00
Mar. 1, 1941	Separate system of sewers	4s	3,000 00
May 1, 1941	Cambridge Bridge	4s	2,000 00
May 1, 1941	Sewer	3 $\frac{1}{2}$ s	500 00
June 1, 1941	Hospital building	4s	2,000 00
June 1, 1941	Sewer construction	4s	500 00
June 1, 1941	Sewer separate system	4s	500 00
June 1, 1941	Building	4 $\frac{1}{4}$ s	1,000 00
June 1, 1941	First Street Bridge	4 $\frac{1}{4}$ s	1,000 00
June 1, 1941	Sewer separate system	4 $\frac{1}{4}$ s	1,500 00
June 1, 1941	Alewife Brook Fresh Pond Highway	3 $\frac{1}{2}$ s	14,000 00
July 1, 1941	Sewer	4s	500 00
July 1, 1941	Sewer separate system	4s	500 00
July 1, 1941	Sewer separate system	4s	1,000 00
July 1, 1941	Sewer	4 $\frac{1}{2}$ s	1,000 00
July 1, 1941	Playground	4s	500 00
July 1, 1941	School	4s	33,000 00
July 1, 1941	Street	3 $\frac{1}{2}$ s	10,000 00
July 15, 1941	Schoolhouse	4 $\frac{1}{4}$ s	4,000 00
July 15, 1941	Sewer construction	4s	1,000 00
July 15, 1941	Sewer separate system	4s	1,000 00
Sept. 1, 1941	Park	3 $\frac{1}{2}$ s	1,000 00
Sept. 1, 1941	Park	4s	1,000 00
Sept. 1, 1941	Sewer separate system	4 $\frac{1}{2}$ s	3,000 00
Oct. 1, 1941	Sewer construction	4 $\frac{1}{2}$ s	1,500 00
Oct. 1, 1941	Sewer	5s	1,000 00
Oct. 1, 1941	Sewer	5s	500 00
Oct. 1, 1941	Building	4 $\frac{1}{2}$ s	2,000 00
Oct. 1, 1941	Sewer construction	4 $\frac{1}{2}$ s	2,000 00
Oct. 1, 1941	Sewer separate system	4 $\frac{1}{2}$ s	1,500 00
Oct. 1, 1941	Schoolhouse	4s	13,000 00
Oct. 1, 1941	First Street Bridge	4s	4,000 00
Oct. 1, 1941	Sewer construction	4s	500 00
Oct. 1, 1941	Sewer separate system	4s	1,000 00
Oct. 1, 1941	Land for playground	4s	1,000 00
Oct. 1, 1941	Separate system of sewers	4s	2,500 00
Oct. 1, 1941	Land for playground	4 $\frac{1}{4}$ s	500 00
Oct. 1, 1941	Sewer separate system	4 $\frac{1}{4}$ s	2,500 00
Oct. 1, 1941	City of Cambridge, Charles River Bridge, Acts of 1921	4s	5,000 00
Oct. 1, 1941	Separate system of sewers	4s	1,000 00
Oct. 1, 1941	Building	4s	22,000 00
Oct. 1, 1941	Separate system of sewers	4s	1,000 00
Oct. 1, 1941	Sixth Street Bridge	4s	2,000 00
Oct. 1, 1941	Schoolhouse	4s	1,000 00

Amount carried forward \$5,751,200 00

<i>Amount brought forward</i>			\$5,751,200 00
Oct. 1, 1941	Building	4 $\frac{1}{4}$ s	\$2,500 00
Oct. 1, 1941	Sewer separate system	4 $\frac{1}{4}$ s	500 00
Oct. 1, 1941	Charles River Bridge, Acts of 1921	4 $\frac{1}{2}$ s	18,000 00
Oct. 1, 1941	Street	4 $\frac{1}{4}$ s	10,000 00
Dec. 1, 1941	Sewer separate system	4s	500 00
Dec. 1, 1941	Sewer construction	4 $\frac{1}{2}$ s	500 00
Dec. 1, 1941	City of Cambridge, Charles River Bridge, Acts of 1921	3 $\frac{3}{4}$ s	5,000 00
Dec. 1, 1941	Building	3 $\frac{3}{4}$ s	7,000 00
Dec. 1, 1941	Third Street Bridge	3 $\frac{3}{4}$ s	2,500 00
Dec. 1, 1941	Schoolhouse	4 $\frac{1}{4}$ s	31,000 00
Dec. 1, 1941	Schoolhouse, Acts of 1928	4 $\frac{1}{2}$ s	20,000 00
Dec. 1, 1941	City Hospital, Acts of 1929	4 $\frac{1}{2}$ s	30,000 00
Dec. 1, 1941	Building	4 $\frac{1}{4}$ s	2,000 00
Jan. 1, 1942	Sewer	4s	500 00
Mar. 1, 1942	Land for playground	4s	500 00
Mar. 1, 1942	Sewer separate system	4s	1,500 00
Mar. 1, 1942	Sewer separate system	4s	2,000 00
Mar. 1, 1942	Sewer separate system	3 $\frac{3}{4}$ s	3,000 00
Mar. 1, 1942	Sewer separate system	4 $\frac{1}{4}$ s	3,000 00
Mar. 1, 1942	School	4s	1,000 00
Mar. 1, 1942	Separate system of sewers	4s	3,000 00
May 1, 1942	Sewer	3 $\frac{1}{2}$ s	500 00
May 1, 1942	Cambridge Bridge	4s	2,000 00
June 1, 1942	Hospital building	4s	2,000 00
June 1, 1942	Sewer construction	4s	500 00
June 1, 1942	Sewer separate system	4s	500 00
June 1, 1942	Sewer separate system	4 $\frac{1}{4}$ s	1,500 00
June 1, 1942	First Street Bridge	4 $\frac{1}{4}$ s	1,000 00
July 1, 1942	Sewer	4s	500 00
July 1, 1942	Sewer separate system	4s	500 00
July 1, 1942	Sewer separate system	4s	1,000 00
July 1, 1942	Playground	4s	500 00
July 1, 1942	Sewer	4 $\frac{1}{2}$ s	1,000 00
July 1, 1942	School	4s	33,000 00
July 15, 1942	Schoolhouse	4 $\frac{1}{4}$ s	4,000 00
July 15, 1942	Sewer construction	4s	1,000 00
July 15, 1942	Sewer separate system	4s	1,000 00
Sept. 1, 1942	Park	3 $\frac{1}{4}$ s	1,000 00
Sept. 1, 1942	Park	4s	1,000 00
Sept. 1, 1942	Sewer separate system	4 $\frac{1}{2}$ s	3,000 00
Oct. 1, 1942	Sewer construction	4 $\frac{1}{2}$ s	1,500 00
Oct. 1, 1942	Sewer	5s	1,000 00
Oct. 1, 1942	Sewer	5s	500 00
Oct. 1, 1942	Schoolhouse	4s	1,000 00
Oct. 1, 1942	Schoolhouse	4s	13,000 00
Oct. 1, 1942	Sewer construction	4 $\frac{1}{2}$ s	2,000 00
Oct. 1, 1942	Sewer separate system	4 $\frac{1}{2}$ s	1,500 00
Oct. 1, 1942	First Street Bridge	4s	4,000 00
Oct. 1, 1942	Sewer construction	4s	500 00
Oct. 1, 1942	Sewer separate system	4s	1,000 00
Oct. 1, 1942	Land for playground	4s	1,000 00
Oct. 1, 1942	Separate system of sewers	4s	2,500 00
Oct. 1, 1942	Land for playground	4 $\frac{1}{4}$ s	500 00
Oct. 1, 1942	Sewer separate system	4 $\frac{1}{4}$ s	2,500 00
Oct. 1, 1942	City of Cambridge, Charles River Bridge, Acts of 1921	4s	5,000 00
Oct. 1, 1942	Separate system of sewers	4s	1 000 00
<i>Amount carried forward</i>			\$5,989,200 00

<i>Amount brought forward</i>			\$5,989,200 00
Oct. 1, 1942	Building	4s	\$22,000 00
Oct. 1, 1942	Separate system of sewers	4s	1,000 00
Oct. 1, 1942	Sixth Street Bridge	4s	2,000 00
Oct. 1, 1942	Building	4 $\frac{1}{4}$ s	2,500 00
Oct. 1, 1942	Sewer separate system	4 $\frac{1}{4}$ s	500 00
Oct. 1, 1942	Charles River Bridge, Acts of 1921 ..	4 $\frac{1}{2}$ s	18,000 00
Dec. 1, 1942	Sewer separate system	4s	500 00
Dec. 1, 1942	Sewer construction	4 $\frac{1}{2}$ s	500 00
Dec. 1, 1942	City of Cambridge, Charles River Bridge, Acts of 1921	3 $\frac{3}{4}$ s	5,000 00
Dec. 1, 1942	Building	4 $\frac{3}{4}$ s	7,000 00
Dec. 1, 1942	Third Street Bridge	3 $\frac{3}{4}$ s	2,500 00
Dec. 1, 1942	Schoolhouse	4 $\frac{1}{4}$ s	31,000 00
Dec. 1, 1942	Building	4 $\frac{1}{4}$ s	2,000 00
Dec. 1, 1942	City Hospital, Acts of 1929	4 $\frac{1}{2}$ s	30,000 00
Dec. 1, 1942	Schoolhouse, Acts of 1928	4 $\frac{1}{2}$ s	20,000 00
Jan. 1, 1943	Sewer	4s	500 00
Mar. 1, 1943	Land for playground	4s	500 00
Mar. 1, 1943	Sewer separate system	4s	1,500 00
Mar. 1, 1943	Sewer separate system	4s	2,000 00
Mar. 1, 1943	Sewer separate system	3 $\frac{3}{4}$ s	3,000 00
Mar. 1, 1943	Sewer separate system	4 $\frac{1}{4}$ s	3,000 00
Mar. 1, 1943	School	4s	1,000 00
Mar. 1, 1943	Separate system of sewers	4s	3,000 00
May 1, 1943	Sewer	3 $\frac{1}{2}$ s	500 00
May 1, 1943	Cambridge Bridge	4s	2,000 00
June 1, 1943	Sewer construction	4s	500 00
June 1, 1943	Sewer separate system	4s	500 00
June 1, 1943	Sewer separate system	4 $\frac{1}{4}$ s	1,500 00
June 1, 1943	First Street bridge	4 $\frac{1}{4}$ s	1,000 00
July 1, 1943	Sewer	4s	500 00
July 1, 1943	Sewer separate system	4s	500 00
July 1, 1943	Sewer separate system	4s	1,000 00
July 1, 1943	Playground	4s	500 00
July 1, 1943	Sewer	4 $\frac{1}{2}$ s	1,000 00
July 1, 1943	School	4s	33,000 00
July 15, 1943	Schoolhouse	4 $\frac{1}{4}$ s	4,000 00
July 15, 1943	Sewer construction	4s	1,000 00
July 15, 1943	Sewer separate system	4s	1,000 00
Sept. 1, 1943	Park	4s	1,000 00
Sept. 1, 1943	Sewer separate system	4 $\frac{1}{2}$ s	3,000 00
Oct. 1, 1943	Sewer construction	4 $\frac{1}{2}$ s	1,500 00
Oct. 1, 1943	Sewer	5s	1,000 00
Oct. 1, 1943	Sewer	5s	500 00
Oct. 1, 1943	Sewer construction	4 $\frac{1}{2}$ s	2,000 00
Oct. 1, 1943	Sewer separate system	4 $\frac{1}{2}$ s	1,500 00
Oct. 1, 1943	Sewer construction	4s	500 00
Oct. 1, 1943	Land for playground	4s	1,000 00
Oct. 1, 1943	Separate system of sewers	4s	2,500 00
Oct. 1, 1943	Land for playground	4 $\frac{1}{4}$ s	500 00
Oct. 1, 1943	Sewer separate system	4 $\frac{1}{4}$ s	2,500 00
Oct. 1, 1943	City of Cambridge, Charles River Bridge, Acts of 1921	4s	5,000 00
Oct. 1, 1943	Schoolhouse	4s	1,000 00
Oct. 1, 1943	Separate system of sewers	4s	1,000 00
Oct. 1, 1943	Building	4s	22,000 00
Oct. 1, 1943	Separate system of sewers	4s	1,000 00
<i>Amount carried forward</i>			\$6,244,200 00

<i>Amount brought forward</i>			\$6,244,200 00
Oct. 1, 1943	Separate system of sewers.	4s	\$1,000 00
Oct. 1, 1943	Sixth Street Bridge.	4s	2,000 00
Oct. 1, 1943	Building.	4 $\frac{1}{4}$ s	2,500 00
Oct. 1, 1943	Sewer separate system.	4 $\frac{1}{4}$ s	500 00
Oct. 1, 1943	City of Cambridge, Charles River Bridge, Acts of 1921	4s	18,000 00
Dec. 1, 1943	Sewer separate system.	4s	500 00
Dec. 1, 1943	Sewer construction.	4 $\frac{1}{2}$ s	500 00
Dec. 1, 1943	City of Cambridge, Charles River Bridge, Acts of 1921	3 $\frac{3}{4}$ s	5,000 00
Dec. 1, 1943	Building.	3 $\frac{3}{4}$ s	3,000 00
Dec. 1, 1943	Third Street Bridge.	3 $\frac{3}{4}$ s	2,500 00
Dec. 1, 1943	Schoolhouse.	4 $\frac{1}{4}$ s	31,000 00
Dec. 1, 1943	Building.	4 $\frac{1}{4}$ s	2,000 00
Dec. 1, 1943	City Hospital, Acts of 1929.	4 $\frac{1}{2}$ s	30,000 00
Dec. 1, 1943	Schoolhouse, Acts of 1928.	4 $\frac{1}{2}$ s	20,000 00
Jan. 1, 1944	Sewer.	4s	500 00
Mar. 1, 1944	Land for playground.	4s	500 00
Mar. 1, 1944	Sewer separate system.	4s	1,500 00
Mar. 1, 1944	Sewer separate system.	4s	2,000 00
Mar. 1, 1944	Sewer separate system.	3 $\frac{3}{4}$ s	3,000 00
Mar. 1, 1944	Sewer separate system.	4 $\frac{1}{4}$ s	3,000 00
Mar. 1, 1944	School.	4s	1,000 00
Mar. 1, 1944	Separate system of sewers.	4s	3,000 00
May 1, 1944	Sewer.	3 $\frac{1}{2}$ s	500 00
May 1, 1944	Cambridge Bridge.	4s	2,000 00
June 1, 1944	Sewer construction.	4s	500 00
June 1, 1944	Sewer separate system.	4s	500 00
June 1, 1944	Sewer separate system.	4 $\frac{1}{4}$ s	1,500 00
July 1, 1944	Sewer.	4s	500 00
July 1, 1944	Sewer separate system.	4s	500 00
July 1, 1944	Sewer separate system.	4s	1,000 00
July 1, 1944	Sewer.	4 $\frac{1}{2}$ s	1,000 00
July 1, 1944	Playground.	4s	500 00
July 1, 1944	School.	4s	33,000 00
July 15, 1944	Sewer construction.	4s	1,000 00
July 15, 1944	Sewer separate system.	4s	1,000 00
Sept. 1, 1944	Park.	4s	1,000 00
Sept. 1, 1944	Sewer separate system.	4 $\frac{1}{2}$ s	3,000 00
Oct. 1, 1944	Sewer construction.	4 $\frac{1}{2}$ s	1,500 00
Oct. 1, 1944	Sewer.	5s	1,000 00
Oct. 1, 1944	Sewer.	5s	500 00
Oct. 1, 1944	Sewer construction.	4 $\frac{1}{2}$ s	2,000 00
Oct. 1, 1944	Sewer separate system.	4 $\frac{1}{2}$ s	1,500 00
Oct. 1, 1944	Sewer construction.	4s	500 00
Oct. 1, 1944	Sewer separate system.	4s	1,000 00
Oct. 1, 1944	Land for playground.	4s	1,000 00
Oct. 1, 1944	Separate system of sewers.	4s	2,500 00
Oct. 1, 1944	Land for playground.	4 $\frac{1}{4}$ s	500 00
Oct. 1, 1944	Sewer separate system.	4 $\frac{1}{4}$ s	2,500 00
Oct. 1, 1944	City of Cambridge, Charles River Bridge, Acts of 1921	4s	5,000 00
Oct. 1, 1944	Separate system of sewers.	4s	1,000 00
Oct. 1, 1944	Building.	4s	22,000 00
Oct. 1, 1944	Separate system of sewers.	4s	1,000 00
Oct. 1, 1944	Schoolhouse.	4s	1,000 00
Oct. 1, 1944	Sixth Street Bridge.	4s	2,000 00

Amount carried forward \$6,474,200 00

<i>Amount brought forward</i>			\$6,474,200 00
Oct. 1, 1944	Building	4 $\frac{1}{4}$ s	\$2,500 00
Oct. 1, 1944	Sewer separate system	4 $\frac{1}{4}$ s	500 00
Oct. 1, 1944	City of Cambridge, Charles River Bridge, Acts of 1921	4 $\frac{1}{2}$ s	18,000 00
Dec. 1, 1944	Sewer separate system	4s	500 00
Dec. 1, 1944	Sewer construction	4 $\frac{1}{2}$ s	500 00
Dec. 1, 1944	City of Cambridge, Charles River Bridge, Acts of 1921	3 $\frac{3}{4}$ s	5,000 00
Dec. 1, 1944	Building	3 $\frac{3}{4}$ s	6,000 00
Dec. 1, 1944	Third Street Bridge	3 $\frac{3}{4}$ s	2,500 00
Dec. 1, 1944	Building	4 $\frac{1}{4}$ s	2,000 00
Dec. 1, 1944	City Hospital, Acts of 1929	4 $\frac{1}{2}$ s	30,000 00
Dec. 1, 1944	Schoolhouse, Acts of 1928	4 $\frac{1}{2}$ s	20,000 00
Jan. 1, 1945	Sewer	4s	500 00
Mar. 1, 1945	Land for playground	4s	500 00
Mar. 1, 1945	Sewer separate system	4s	1,500 00
Mar. 1, 1945	Sewer separate system	4s	2,000 00
Mar. 1, 1945	Sewer separate system	3 $\frac{3}{4}$ s	3,000 00
Mar. 1, 1945	Sewer separate system	4 $\frac{1}{4}$ s	3,000 00
Mar. 1, 1945	School	4s	1,000 00
Mar. 1, 1945	Separate system of sewers	4s	3000 00
May 1, 1945	Sewer	3 $\frac{1}{2}$ s	500 00
May 1, 1945	Cambridge Bridge	4s	2,000 00
June 1, 1945	Sewer separate system	4s	500 00
June 1, 1945	Sewer construction	4s	500 00
June 1, 1945	Sewer separate system	4s	1,500 00
July 1, 1945	Sewer	4s	500 00
July 1, 1945	Sewer separate system	4s	500 00
July 1, 1945	Sewer	4 $\frac{1}{2}$ s	1,000 00
July 1, 1945	Playground	4s	500 00
July 1, 1945	School	4s	33,000 00
July 15, 1945	Sewer construction	4s	1,000 00
July 15, 1945	Sewer separate system	4s	1,000 00
Sept. 1, 1945	Sewer separate system	4 $\frac{1}{2}$ s	3,000 00
Oct. 1, 1945	Sewer construction	4 $\frac{1}{2}$ s	1,500 00
Oct. 1, 1945	Sewer	5s	1,000 00
Oct. 1, 1945	Sewer	5s	500 00
Oct. 1, 1945	Sewer construction	4 $\frac{1}{2}$ s	2,000 00
Oct. 1, 1945	Sewer separate system	4 $\frac{1}{2}$ s	1,500 00
Oct. 1, 1945	Sewer construction	4s	500 00
Oct. 1, 1945	Sewer separate system	4s	1,000 00
Oct. 1, 1945	Land for playground	4s	1,000 00
Oct. 1, 1945	Separate system of sewers	4s	2,500 00
Oct. 1, 1945	Land for playground	4 $\frac{1}{4}$ s	500 00
Oct. 1, 1945	Sewer separate system	4 $\frac{1}{4}$ s	2,500 00
Oct. 1, 1945	City of Cambridge, Charles River Bridge, Acts of 1921	4s	5,000 00
Oct. 1, 1945	Separate system of sewers	4s	1,000 00
Oct. 1, 1945	Building	4s	22,000 00
Oct. 1, 1945	Separate system of sewers	4s	1,000 00
Oct. 1, 1945	Building	4 $\frac{1}{4}$ s	2,500 00
Oct. 1, 1945	Sewer separate system	4 $\frac{1}{4}$ s	500 00
Oct. 1, 1945	City of Cambridge, Charles River Bridge, Acts of 1921	4 $\frac{1}{2}$ s	18,000 00
Dec. 1, 1945	Sewer construction	4 $\frac{1}{2}$ s	500 00
Dec. 1, 1945	City of Cambridge, Charles River Bridge, Acts of 1921	3 $\frac{3}{4}$ s	5,000 00

Amount carried forward \$6,691,700 00

<i>Amount brought forward</i>			\$6,691,700
Dec. 1, 1945	Building	3 $\frac{3}{4}$ s	\$6,000 00
Dec. 1, 1945	Third Street Bridge	3 $\frac{3}{4}$ s	2,500 00
Dec. 1, 1945	Building	4 $\frac{1}{4}$ s	2,000 00
Jan. 1, 1946	Sewer	4s	500 00
Mar. 1, 1946	Land for playground	4s	500 00
Mar. 1, 1946	Sewer separate system	4s	1,500 00
Mar. 1, 1946	Sewer separate system	4s	2,000 00
Mar. 1, 1946	Sewer separate system	3 $\frac{3}{4}$ s	3,000 00
Mar. 1, 1946	Sewer separate system	4 $\frac{1}{4}$ s	3,000 00
Mar. 1, 1946	School	4s	1,000 00
Mar. 1, 1946	Separate system of sewers	4s	3,000 00
May 1, 1946	Sewer	3 $\frac{1}{2}$ s	500 00
June 1, 1946	Sewer construction	4s	500 00
June 1, 1946	Sewer separate system	4s	500 00
June 1, 1946	Sewer separate system	4 $\frac{1}{4}$ s	1,500 00
July 1, 1946	Sewer	4 $\frac{1}{2}$ s	1,000 00
July 15, 1946	Sewer construction	4s	1,000 00
July 15, 1946	Sewer separate system	4s	1,000 00
Sept. 1, 1946	Sewer separate system	4 $\frac{1}{2}$ s	3,000 00
Oct. 1, 1946	Sewer construction	4 $\frac{1}{2}$ s	1,500 00
Oct. 1, 1946	Sewer	5s	1,000 00
Oct. 1, 1946	Sewer	5s	500 00
Oct. 1, 1946	Sewer construction	4 $\frac{1}{2}$ s	2,000 00
Oct. 1, 1946	Sewer separate system	4 $\frac{1}{2}$ s	1,500 00
Oct. 1, 1946	Sewer construction	4s	500 00
Oct. 1, 1946	Sewer separate system	4s	1,000 00
Oct. 1, 1946	Land for playground	4s	1,000 00
Oct. 1, 1946	Separate system of sewers	4s	2,500 00
Oct. 1, 1946	Separate system of sewers	4s	1,000 00
Oct. 1, 1946	Land for playground	4 $\frac{1}{4}$ s	500 00
Oct. 1, 1946	Sewer separate system	4 $\frac{1}{4}$ s	2,500 00
Oct. 1, 1946	City of Cambridge, Charles River		
	Bridge, Acts of 1921	4s	5,000 00
Oct. 1, 1946	Building	4s	22,000 00
Oct. 1, 1946	Separate system of sewers	4s	1,000 00
Oct. 1, 1946	Building	4 $\frac{1}{4}$ s	2,500 00
Oct. 1, 1946	Sewer separate system	4 $\frac{1}{4}$ s	500 00
Oct. 1, 1946	City of Cambridge, Charles River		
	Bridge, Acts of 1921	4 $\frac{1}{2}$ s	18,000 00
Dec. 1, 1946	Sewer construction	4 $\frac{1}{2}$ s	500 00
Dec. 1, 1946	City of Cambridge, Charles River		
	Bridge, Acts of 1921	3 $\frac{3}{4}$ s	5,000 00
Dec. 1, 1946	Building	3 $\frac{3}{4}$ s	6,000 00
Dec. 1, 1946	Third Street Bridge	3 $\frac{3}{4}$ s	2,500 00
Dec. 1, 1946	Building	4 $\frac{1}{4}$ s	2,000 00
Mar. 1, 1947	Land for playground	4s	500 00
Mar. 1, 1947	Sewer separate system	4s	1,500 00
Mar. 1, 1947	Sewer separate system	4s	2,000 00
Mar. 1, 1947	Sewer separate system	3 $\frac{3}{4}$ s	3,000 00
Mar. 1, 1947	Sewer separate system	4 $\frac{1}{4}$ s	3,000 00
Mar. 1, 1947	Separate system of sewers	4s	3,000 00
June 1, 1947	Sewer construction	4s	500 00
June 1, 1947	Sewer separate system	4s	500 00
June 1, 1947	Sewer separate system	4 $\frac{1}{4}$ s	1,500 00
July 1, 1947	Sewer	4 $\frac{1}{2}$ s	1,000 00
July 15, 1947	Sewer construction	4s	1,000 00
July 15, 1947	Sewer separate system	4s	1,000 00
<i>Amount carried forward</i>			\$6,824,700 00

<i>Amount brought forward</i>		\$6,824,700 00
Sept. 1, 1947	Sewer separate system 4½s	\$3,000 00
Oct. 1, 1947	Sewer construction 4½s	1,500 00
Oct. 1, 1947	Sewer 5s	1,000 00
Oct. 1, 1947	Sewer 5s	500 00
Oct. 1, 1947	Sewer construction 4½s	2,000 00
Oct. 1, 1947	Sewer separate system 4½s	1,500 00
Oct. 1, 1947	Sewer construction 4s	500 00
Oct. 1, 1947	Sewer separate system 4s	1,000 00
Oct. 1, 1947	Land for playground 4s	1,000 00
Oct. 1, 1947	Separate system of sewers 4s	2,500 00
Oct. 1, 1947	Land for playground 4½s	500 00
Oct. 1, 1947	Sewer separate system 4¼s	2,500 00
Oct. 1, 1947	Separate system of sewers 4s	1,000 00
Oct. 1, 1947	Building 4s	22,000 00
Oct. 1, 1947	Separate system of sewers 4s	1,000 00
Oct. 1, 1947	Building 4¼s	2,500 00
Oct. 1, 1947	Sewer separate system 4¼s	500 00
Oct. 1, 1947	City of Cambridge, Charles River Bridge, Acts of 1921 4½s	18,000 00
Dec. 1, 1947	Sewer construction 4½s	500 00
Dec. 1, 1947	City of Cambridge, Charles River Bridge, Acts of 1921 3¾s	5,000 00
Dec. 1, 1947	Building 3¾s	6,000 00
Dec. 1, 1947	Third Street Bridge 3¾s	2,500 00
Dec. 1, 1947	Building 4¼s	2,000 00
Mar. 1, 1948	Sewer separate system 4s	1,500 00
Mar. 1, 1948	Sewer separate system 4s	2,000 00
Mar. 1, 1948	Sewer separate system 3¾s	3,000 00
Mar. 1, 1948	Sewer separate system 4¼s	3,000 00
Mar. 1, 1948	Separate system of sewers 4s	3,000 00
June 1, 1948	Sewer construction 4s	500 00
June 1, 1948	Sewer separate system 4s	500 00
June 1, 1948	Sewer separate system 4¼s	1,500 00
July 15, 1948	Sewer construction 4s	1,000 00
July 15, 1948	Sewer separate system 4s	1,000 00
Sept. 1, 1948	Sewer separate system 4½s	3,000 00
Oct. 1, 1948	Sewer construction 4½s	1,500 00
Oct. 1, 1948	Sewer 5s	1,000 00
Oct. 1, 1948	Sewer 5s	500 00
Oct. 1, 1948	Sewer construction 4½s	2,000 00
Oct. 1, 1948	Sewer separate system 4½s	1,500 00
Oct. 1, 1948	Sewer construction 4s	500 00
Oct. 1, 1948	Sewer separate system 4s	1,000 00
Oct. 1, 1948	Land for playground 4s	1,000 00
Oct. 1, 1948	Separate system of sewers 4s	2,500 00
Oct. 1, 1948	Land for playground 4¼s	500 00
Oct. 1, 1948	Sewer separate system 4¼s	2,500 00
Oct. 1, 1948	Separate system of sewers 4s	1,000 00
Oct. 1, 1948	Separate system of sewers 4s	1,000 00
Oct. 1, 1948	Building 4¼s	2,500 00
Oct. 1, 1948	Sewer separate system 4¼s	500 00
Oct. 1, 1948	City of Cambridge, Charles River Bridge, Acts of 1921 4½s	18,000 00
Dec. 1, 1948	Sewer construction 4½s	500 00
Dec. 1, 1948	Building 4¼s	2,000 00
Mar. 1, 1949	Sewer separate system 4s	1,500 00
Mar. 1, 1949	Sewer separate system 4s	2,000 00
<i>Amount carried forward</i>		\$6,966,700 00

<i>Amount brought forward</i>			\$6,966,700 00
Mar. 1, 1949	Sewer separate system	3 $\frac{3}{4}$ s	\$3,000 00
Mar. 1, 1949	Sewer separate system	4 $\frac{1}{4}$ s	3,000 00
Mar. 1, 1949	Separate system of sewers	4s	3,000 00
June 1, 1949	Sewer construction	4s	500 00
June 1, 1949	Sewer separate system	4s	500 00
June 1, 1949	Sewer separate system	4 $\frac{1}{4}$ s	1,500 00
July 15, 1949	Sewer construction	4s	1,000 00
July 15, 1949	Sewer separate system	4s	1,000 00
Sept. 1, 1949	Sewer separate system	4 $\frac{1}{2}$ s	3,000 00
Oct. 1, 1949	Sewer construction	4 $\frac{1}{2}$ s	1,500 00
Oct. 1, 1949	Sewer	5s	1,000 00
Oct. 1, 1949	Sewer	5s	500 00
Oct. 1, 1949	Sewer construction	4 $\frac{1}{2}$ s	2,000 00
Oct. 1, 1949	Sewer separate system	4 $\frac{1}{2}$ s	1,500 00
Oct. 1, 1949	Sewer construction	4s	500 00
Oct. 1, 1949	Sewer separate system	4s	1,000 00
Oct. 1, 1949	Separate system of sewers	4s	2,500 00
Oct. 1, 1949	Land for playground	4 $\frac{1}{4}$ s	500 00
Oct. 1, 1949	Sewer separate system	4 $\frac{1}{4}$ s	2,500 00
Oct. 1, 1949	Separate system of sewers	4s	1,000 00
Oct. 1, 1949	Separate system of sewers	4s	1,000 00
Oct. 1, 1949	Land for playground	4s	1,000 00
Oct. 1, 1949	Sewer separate system	4 $\frac{1}{4}$ s	500 00
Nov. 1, 1949	City of Cambridge, Charles River Bridge, Acts of 1921	4 $\frac{1}{2}$ s	18,000 00
Mar. 1, 1950	Sewer separate system	4s	1,500 00
Mar. 1, 1950	Sewer separate system	4s	2,000 00
Mar. 1, 1950	Sewer separate system	3 $\frac{3}{4}$ s	3,000 00
Mar. 1, 1950	Sewer separate system	4 $\frac{1}{4}$ s	3,000 00
Mar. 1, 1950	Separate system of sewers	4s	3,000 00
June 1, 1950	Sewer construction	4s	500 00
June 1, 1950	Sewer separate system	4s	500 00
June 1, 1950	Sewer separate system	4 $\frac{1}{4}$ s	1,500 00
July 15, 1950	Sewer construction	4s	1,000 00
July 15, 1950	Sewer separate system	4s	1,000 00
Sept. 1, 1950	Sewer separate system	4 $\frac{1}{2}$ s	3,000 00
Oct. 1, 1950	Sewer	5s	1,000 00
Oct. 1, 1950	Sewer	5s	500 00
Oct. 1, 1950	Sewer construction	4 $\frac{1}{2}$ s	2,000 00
Oct. 1, 1950	Sewer separate system	4 $\frac{1}{2}$ s	1,500 00
Oct. 1, 1950	Sewer construction	4s	500 00
Oct. 1, 1950	Sewer separate system	4s	1,000 00
Oct. 1, 1950	Sewer separate system	4s	2,500 00
Oct. 1, 1950	Land for playground	4 $\frac{1}{4}$ s	500 00
Oct. 1, 1950	Sewer separate system	4 $\frac{1}{4}$ s	2,500 00
Oct. 1, 1950	Separate system of sewers	4s	1,000 00
Oct. 1, 1950	Separate system of sewers	4s	1,000 00
Oct. 1, 1950	Sewer separate system	4 $\frac{1}{4}$ s	500 00
Mar. 1, 1951	Sewer separate system	4s	1,500 00
Mar. 1, 1951	Sewer separate system	4s	2,000 00
Mar. 1, 1951	Sewer separate system	3 $\frac{3}{4}$ s	3,000 00
Mar. 1, 1951	Sewer separate system	4 $\frac{1}{4}$ s	3,000 00
Mar. 1, 1951	Sewer separate system	4 $\frac{1}{4}$ s	3,000 00
June 1, 1951	Sewer construction	4s	500 00
June 1, 1951	Sewer separate system	4s	500 00
June 1, 1951	Sewer separate system	4 $\frac{1}{4}$ s	1,500 00
July 15, 1951	Sewer construction	4s	1,000 00
<i>Amount carried forward</i>			\$7,068,700 00

Amount brought forward \$7,068,700 00

July 15, 1951	Sewer separate system	4s	\$1,000 00
Sept. 1, 1951	Sewer separate system	4½s	3,000 00
Oct. 1, 1951	Sewer construction	4½s	2,000 00
Oct. 1, 1951	Sewer separate system	4½s	1,500 00
Oct. 1, 1951	Sewer construction	4s	500 00
Oct. 1, 1951	Sewer separate system	4s	1,000 00
Oct. 1, 1951	Sewer separate system	4s	2,500 00
Oct. 1, 1951	Sewer separate system	4¼s	2,500 00
Oct. 1, 1951	Separate system of sewers	4s	1,000 00
Oct. 1, 1951	Separate system of sewers	4s	1,000 00
Oct. 1, 1951	Sewer separate system	4¼s	500 00
Mar. 1, 1952	Sewer separate system	4s	1,500 00
Mar. 1, 1952	Sewer separate system	4s	2,000 00
Mar. 1, 1952	Sewer separate system	3¾s	3,000 00
Mar. 1, 1952	Sewer separate system	4¼s	3,000 00
Mar. 1, 1952	Sewer separate system	4s	3,000 00
June 1, 1952	Sewer construction	4s	500 00
June 1, 1952	Sewer separate system	4¼s	1,500 00
June 1, 1952	Sewer separate system	4s	500 00
July 15, 1952	Sewer construction	4s	1,000 00
July 15, 1952	Sewer separate system	4s	1,000 00
Sept. 1, 1952	Sewer separate system	4½s	3,000 00
Oct. 1, 1952	Sewer construction	4s	500 00
Oct. 1, 1952	Sewer separate system	4s	1,000 00
Oct. 1, 1952	Sewer separate system	4s	2,500 00
Oct. 1, 1952	Sewer separate system	4¼s	2,500 00
Oct. 1, 1952	Separate system of sewers	4s	1,000 00
Oct. 1, 1952	Separate system of sewers	4s	1,000 00
Oct. 1, 1952	Sewer separate system	4¼s	500 00
Mar. 1, 1953	Sewer separate system	4s	1,500 00
Mar. 1, 1953	Sewer separate system	4s	2,000 00
Mar. 1, 1953	Sewer separate system	3¾s	3,000 00
Mar. 1, 1953	Sewer separate system	4¼s	3,000 00
Mar. 1, 1953	Separate system of sewers	4s	3,000 00
June 1, 1953	Sewer separate system	4¼s	1,500 00
July 15, 1953	Sewer construction	4s	1,000 00
July 15, 1953	Sewer separate system	4s	1,000 00
Sept. 1, 1953	Sewer separate system	4½s	3,000 00
Oct. 1, 1953	Sewer separate system	4s	2,500 00
Oct. 1, 1953	Sewer separate system	4¼s	2,500 00
Oct. 1, 1953	Separate system of sewers	4s	1,000 00
Oct. 1, 1953	Sewer separate system	4¼s	500 00
Mar. 1, 1954	Sewer separate system	4s	1,500 00
Mar. 1, 1954	Sewer separate system	4s	2,000 00
Mar. 1, 1954	Sewer separate system	4¼s	3,000 00
Mar. 1, 1954	Sewer separate system	4s	3,000 00
Sept. 1, 1954	Sewer separate system	4½s	3,000 00
Oct. 1, 1954	Sewer separate system	4s	2,500 00
Oct. 1, 1954	Sewer separate system	4¼s	2,500 00
Oct. 1, 1954	Separate system of sewers	4s	1,000 00
Oct. 1, 1954	Sewer separate system	4¼s	500 00
Mar. 1, 1955	Sewer separate system	4s	1,500 00
Mar. 1, 1955	Sewer separate system	4s	2,000 00
Mar. 1, 1955	Sewer separate system	4½s	3,000 00
Mar. 1, 1955	Sewer separate system	4s	3,000 00
Sept. 1, 1955	Sewer separate system	4½s	3,000 00
Oct. 1, 1955	Sewer separate system	4¼s	2,500 00

Amount carried forward \$7,173,700 00

<i>Amount brought forward</i>			\$7,173,700 00
Oct. 1, 1955	Separate system of sewers	4s	\$1,000 00
Oct. 1, 1955	Sewer separate system	4 $\frac{1}{4}$ s	500 00
Mar. 1, 1956	Sewer separate system	4s	1,500 00
Mar. 1, 1956	Sewer separate system	4s	2,000 00
Mar. 1, 1956	Sewer separate system	4 $\frac{1}{4}$ s	3,000 00
Mar. 1, 1956	Sewer separate system	4s	3,000 00
Sept. 1, 1956	Sewer separate system	4 $\frac{1}{2}$ s	3,000 00
Oct. 1, 1956	Separate system of sewers	4s	1,000 00
Oct. 1, 1956	Sewer separate system	4 $\frac{1}{4}$ s	500 00
Mar. 1, 1957	Sewer separate system	4s	2,000 00
Mar. 1, 1957	Sewer separate system	4 $\frac{1}{4}$ s	3,000 00
Mar. 1, 1957	Sewer separate system	4s	3,000 00
Sept. 1, 1957	Sewer separate system	4 $\frac{1}{2}$ s	3,000 00
Oct. 1, 1957	Sewer separate system	4 $\frac{1}{4}$ s	500 00
Mar. 1, 1958	Sewer separate system	4 $\frac{1}{4}$ s	3,000 00
Mar. 1, 1958	Sewer separate system	4s	3,000 00
Sept. 1, 1958	Sewer separate system	4 $\frac{1}{2}$ s	3,000 00
Oct. 1, 1958	Sewer separate system	4 $\frac{1}{4}$ s	500 00
Mar. 1, 1959	Sewer separate system	4 $\frac{1}{4}$ s	3,000 00
Mar. 1, 1959	Sewer separate system	4s	3,000 00
Sept. 1, 1959	Sewer separate system	4 $\frac{1}{2}$ s	3,000 00
Mar. 1, 1960	Sewer separate system	4 $\frac{1}{4}$ s	3,000 00
Mar. 1, 1960	Sewer separate system	4s	3,000 00
Mar. 1, 1961	Sewer separate system	4s	3,000 00
			\$7,228,200 00

The Bonded City Debt matures as follows, *viz.*:

Provided for by Sinking Fund.

Mar.	1, 1932	Hospital.....	3½s	\$25,000 00
Mar.	1, 1932	Schoolhouse.....	3½s	2,500 00
Aug.	1, 1932	Metropolitan Park assessment....	3½s	46,000 00
Sept.	1, 1932	Street.....	3½s	6,200 00
Nov.	1, 1932	Sewer.....	3½s	20,000 00
Feb.	1, 1933	School.....	3½s	5,000 00
Feb.	1, 1933	Street.....	3½s	6,250 00
April	1, 1933	Sewer.....	3½s	40,000 00
July	1, 1933	Street.....	4s	4,000 00
Aug.	1, 1933	Street.....	4s	18,000 00
Oct.	1, 1933	Sewer.....	3½s	20,000 00
May	1, 1934	Sewer.....	3½s	112,000 00
May	1, 1934	Cambridge Bridge special.....	3½s	28,000 00
Nov.	1, 1934	Sewer.....	3½s	5,000 00
May	1, 1935	Sewer.....	3½s	90,000 00
Aug.	1, 1935	Park.....	4s	100,000 00
Feb.	1, 1936	Park.....	4s	100,000 00
May	1, 1936	Sewer.....	4s	35,000 00
Sept.	1, 1936	Sewer.....	4s	25,000 00
April	1, 1937	Sewer.....	4s	60,000 00
Sept.	1, 1937	Park.....	3½s	100,000 00
Nov.	1, 1937	Sewer.....	4s	10,000 00
Nov.	1, 1937	Charles River Improvement.....	3½s	50,000 00
June	1, 1938	Park.....	3½s	50,000 00
Aug.	1, 1938	Park.....	3½s	50,000 00
Aug.	1, 1938	Charles River Improvement.....	3½s	50,000 00
Aug.	1, 1938	Sewer.....	4s	25,000 00
Dec.	1, 1938	Sewer.....	4s	17,000 00
July	1, 1939	Cambridge Bridge.....	3½s	48,000 00
July	1, 1939	Sewer.....	3½s	2,000 00
Aug.	1, 1939	Park.....	3½s	100,000 00
Jan.	1, 1940	Sewer.....	3½s	46,000 00
May	1, 1940	Sewer.....	4s	15,000 00
May	1, 1940	Sewer.....	4s	25,000 00
July	1, 1940	Playground.....	4s	50,000 00
July	1, 1940	Cambridge Bridge.....	3½s	100,000 00
July	1, 1940	Park.....	3½s	50,000 00
Nov.	1, 1940	Park.....	3½s	50,000 00
Feb.	1, 1941	Cambridge Bridge.....	3s	47,000 00
Mar.	1, 1941	Sewer.....	3½s	10,000 00
Mar.	1, 1941	Sewer.....	3½s	10,000 00
July	1, 1941	Sewer.....	3½s	10,000 00
July	1, 1941	Playground.....	3½s	15,000 00
Oct.	1, 1941	Park.....	3½s	100,000 00
Nov.	1, 1941	Cambridge Bridge.....	3½s	85,000 00
Dec.	1, 1941	Sewer separate system.....	3½s	10,000 00
Dec.	1, 1941	Playground.....	3½s	30,000 00
July	1, 1942	Park.....	3½s	48,000 00
Aug.	1, 1942	Cambridge Bridge.....	3½s	94,000 00
Sept.	1, 1942	Sewer.....	3½s	15,000 00
Jan.	1, 1943	Cambridge Bridge.....	3½s	42,000 00
<i>Amount carried forward.....</i>				<i>\$2,101,950 00</i>

The Bonded City Debt matures as follows, *viz.*:

Provided for by Sinking Fund.

<i>Amount brought forward</i>			\$2,101,950 00
Feb. 1, 1943	Sewer	3½s	\$10,000 00
Feb. 1, 1943	Separate system	3½s	10,000 00
April 1, 1943	Cambridge Bridge	3½s	35,000 00
April 1, 1943	Park	3½s	50,000 00
July 1, 1943	Sewer	4s	25,000 00
Jan. 1, 1944	Cambridge Bridge	3½s	71,000 00
May 1, 1944	Cambridge Bridge	3½s	164,000 00
Aug. 1, 1944	Cambridge Bridge	3½s	100,000 00
Sept. 1, 1944	Cambridge Bridge	3½s	50,000 00
Sept. 1, 1944	Park	3½s	25,000 00
Nov. 1, 1944	Park	3½s	6,000 00
April 1, 1945	Park	3½s	5,000 00
May 1, 1945	Park	3½s	45,000 00
May 1, 1945	Cambridge Bridge	3½s	140,000 00
Aug. 1, 1945	Park	3½s	5,000 00
Dec. 1, 1945	Cambridge Bridge	3½s	100,000 00
Jan. 1, 1946	Cambridge Bridge	3½s	20,000 00
Aug. 1, 1946	Cambridge Bridge	4s	100,000 00
Aug. 1, 1946	Commercial Avenue Bridge	3½s	50,000 00
Sept. 1, 1946	Park	3½s	25,000 00
Sept. 1, 1946	Cambridge Bridge	4s	5,000 00
Jan. 1, 1947	Cambridge Bridge	3½s	50,000 00
July 1, 1947	Cambridge Bridge	4s	40,000 00
Oct. 1, 1947	Cambridge Bridge	4s	15,000 00
Oct. 1, 1947	Park	4s	10,000 00
Aug. 1, 1948	Cambridge Bridge	4s	45,000 00
Aug. 1, 1948	Park	4s	30,000 00
Nov. 1, 1948	Park	4s	12,000 00
Jan. 1, 1950	Park	3½s	8,800 00
July 1, 1950	Cambridge Bridge	4s	20,000 00
Mar. 1, 1951	Park	3½s	17,000 00
July 1, 1951	Park	3½s	7,000 00
Dec. 1, 1951	Park	3½s	6,200 00
Dec. 1, 1951	Bridge	3½s	10,000 00
Mar. 1, 1952	Bridge	3½s	10,000 00
			\$3,423,950 00

The Bonded Water Debt matures as follows:

Provided for by Sinking Fund.

May 1, 1936	4s	\$280,000 00
June 1, 1937	4s	49,000 00
July 1, 1937	4s	25,000 00
Aug. 1, 1938	4s	17,000 00
May 1, 1941	3½s	16,500 00
Dec. 1, 1941	3½s	10,000 00
		\$397,500 00

The Bonded Water Debt matures as follows:

Issued serially, provided for in the annual tax levy.

Feb. 1, 1932.....	4s	\$500 00
Mar. 1, 1932.....	4s	500 00
July 1, 1932.....	4s	2,000 00
July 1, 1932.....	4s	1,500 00
Aug. 1, 1932.....	3½s	24,000 00
Sept. 1, 1932.....	3½s	1,000 00
Oct. 1, 1932.....	4½s	11,000 00
Oct. 1, 1932.....	4s	14,000 00
Nov. 1, 1932.....	4s	500 00
Dec. 1, 1932.....	3½s	1,000 00
Feb. 1, 1933.....	4s	500 00
Mar. 1, 1933.....	4s	500 00
July 1, 1933.....	4s	2,000 00
July 1, 1933.....	4s	1,500 00
Aug. 1, 1933.....	3½s	24,000 00
Sept. 1, 1933.....	3½s	1,000 00
Oct. 1, 1933.....	4½s	11,000 00
Oct. 1, 1933.....	4s	14,000 00
Nov. 1, 1933.....	4s	500 00
Dec. 1, 1933.....	3½s	1,000 00
July 1, 1934.....	4s	1,500 00
Aug. 1, 1934.....	3½s	24,000 00
Sept. 1, 1934.....	3½s	1,000 00
Oct. 1, 1934.....	4½s	11,000 00
Oct. 1, 1934.....	4s	14,000 00
Dec. 1, 1934.....	3½s	1,000 00
July 1, 1935.....	4s	1,500 00
Aug. 1, 1935.....	3½s	24,000 00
Sept. 1, 1935.....	3½s	1,000 00
Oct. 1, 1935.....	4½s	11,000 00
Oct. 1, 1935.....	4s	14,000 00
Dec. 1, 1935.....	3½s	1,000 00
July 1, 1936.....	4s	1,500 00
Aug. 1, 1936.....	3½s	24,000 00
Sept. 1, 1936.....	3½s	1,000 00
Oct. 1, 1936.....	4½s	11,000 00
Oct. 1, 1936.....	4s	14,000 00
July 1, 1937.....	4s	1,500 00
Aug. 1, 1937.....	3½s	24,000 00
Sept. 1, 1937.....	3½s	1,000 00
Oct. 1, 1937.....	4½s	11,000 00
Oct. 1, 1937.....	4s	14,000 00
July 1, 1938.....	4s	1,500 00
Aug. 1, 1938.....	3½s	24,000 00
Oct. 1, 1938.....	4½s	11,000 00
Oct. 1, 1938.....	4s	13,000 00
July 1, 1939.....	4s	1,500 00
Aug. 1, 1939.....	3½s	24,000 00
Oct. 1, 1939.....	4½s	11,000 00
Oct. 1, 1939.....	4s	13,000 00
July 1, 1940.....	4s	1,500 00
Aug. 1, 1940.....	3½s	24,000 00
Oct. 1, 1940.....	4½s	11,000 00
Oct. 1, 1940.....	4s	13,000 00

Amount carried forward..... \$468,500 00

The Bonded Water Debt matures as follows:

Issued serially, provided for in the annual tax levy.

<i>Amount brought forward</i>			\$468,500 00
July 1, 1941.....	4s	\$1,500 00	
Aug. 1, 1941.....	3½s	24,000 00	
Oct. 1, 1941.....	4½s	11,000 00	
Oct. 1, 1941.....	4s	13,000 00	
July 1, 1942.....	4s	1,500 00	
Aug. 1, 1942.....	3½s	24,000 00	
Oct. 1, 1942.....	4½s	11,000 00	
Oct. 1, 1942.....	4s	13,000 00	
July 1, 1943.....	4s	1,500 00	
Aug. 1, 1943.....	3½s	24,000 00	
Oct. 1, 1943.....	4½s	11,000 00	
July 1, 1944.....	4s	1,500 00	
Aug. 1, 1944.....	3½s	24,000 00	
Oct. 1, 1944.....	4½s	11,000 00	
Aug. 1, 1945.....	3½s	24,000 00	
Oct. 1, 1945.....	4½s	11,000 00	
Aug. 1, 1946.....	3½s	24,000 00	
Oct. 1, 1946.....	4½s	11,000 00	
Aug. 1, 1947.....	3½s	23,000 00	
Oct. 1, 1947.....	4½s	11,000 00	
Aug. 1, 1948.....	3½s	23,000 00	
Oct. 1, 1948.....	4½s	11,000 00	
Aug. 1, 1949.....	3½s	23,000 00	
Oct. 1, 1949.....	4½s	11,000 00	
Aug. 1, 1950.....	3½s	23,000 00	
Oct. 1, 1950.....	4½s	11,000 00	
Aug. 1, 1951.....	3½s	23,000 00	
Aug. 1, 1952.....	3½s	23,000 00	
Aug. 1, 1953.....	3½s	23,000 00	
Aug. 1, 1954.....	3½s	23,000 00	
Aug. 1, 1955.....	3½s	23,000 00	
Aug. 1, 1956.....	3½s	23,000 00	
			\$984,500 00

REPORT OF THE COMMISSIONERS OF THE
SINKING FUNDS OF THE CITY OF
CAMBRIDGE

To the Honorable City Council:

The commissioners of the several sinking funds of the City herewith submit their annual reports, covering the year ending December 31, 1931. Our report shows the condition of the sinking funds under two divisions: first, Municipal; second, Water.

The following is the condition of the Municipal Loan Fund:

Dr.	
The amount of the funds, March 31, 1931	\$2,692,736 29
Received premium on bonds sold	484 38
Received interest on invested funds	85,265 77
Received discount on bonds purchased	2,197 97
	\$2,780,684 41
Cr.	
Paid to City Treasurer to pay bonds maturing during the year	\$159,000 00
Paid interest accrued on bonds purchased	1,407 72
Paid premium on bonds purchased	2,458 53
Paid discount on bonds sold	70 31
Amount of fund December 31, 1931	2,617,747 85
	\$2,780,684 41

The following is the condition of the Water Loan Fund:

Dr.	
The amount of the fund, March 31, 1931	\$420,717 35
Received interest on invested funds	12,547 83
Received premium on bonds sold	242 18
	\$433,507 36
Cr.	
Paid interest accrued on bonds purchased	\$157 29
Paid premium on bonds purchased	893 50
Amount of fund, December 31, 1931	432,456 57
	\$433,507 36

MUNICIPAL FUND ACCOUNT

Bond Account

Amount of bonds in fund, March 31, 1931	\$2,639,500 00	
Amount of bonds purchased	180,000 00	
	\$2,819,500 00	
Amount of bonds matured	\$129,000 00	
Amount of bonds sold	125,000 00	
Amount of bonds in fund, December 31, 1931	2,565,500 00	\$2,565,500 00
	\$2,819,500 00	

Cash Account

Dr.

Cash in bank, March 31, 1931	\$53,236 29
Received from bonds sold	125,000 00
Received interest on invested funds	85,265 77
Received for bonds matured	129,000 00
Received discount on bonds purchased	2,197 97
Received premium on bonds sold	484 38
	\$395,184 41

Cr.

Paid to City Treasurer to redeem maturing bonds . . .	\$159,000 00	
Paid for bonds purchased	180,000 00	
Paid interest accrued on bonds purchased	1,407 72	
Paid premium on bonds purchased	2,458 53	
Paid discount on bonds sold	70 31	
Balance on deposit in Harvard Trust Company	52,247 85	52,247 85
	\$395,184 41	

Total amount of the fund, December 31, 1931	\$2,617,737 85
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WATER LOAN FUND

Bond Account

Amount of bonds in fund, March 31, 1931	\$413,000 00	
Amount of bonds purchased	40,000 00	
	\$453,000 00	
Amount of bonds matured	\$3,000 00	
Amount of bonds sold	25,000 00	
Total amount of bonds, December 31, 1931	425,000 00	\$425,000 00
	\$453,000 00	

Cash Account

Dr.

Cash in bank, March 31, 1931	\$7,717 35
Received from bonds matured	3,000 00
Received from bonds sold	25,000 00
Received interest on invested funds	12,547 83
Received premium on bonds sold	242 18
	\$48,507 36

Cr.			
Paid for bonds purchased	\$40,000	00	
Paid interest accrued on bonds purchased	157	29	
Paid premium on bonds purchased	893	50	
Balance on deposit in Lechmere National Bank	7,456	57	7,456 57
	\$48,507	36	
Total amount of fund, December 31, 1931			\$432,456 57

The committee appointed to audit the accounts of the Treasurer of the funds reports that his accounts are correct and properly vouched and his books are well kept. The bonds and coupons have been examined and checked up and found correct. The interest, bond and cash transactions of the Treasurer during the year have been carefully computed independently of his books and their correctness thereby proved.

WILLIAM H. REARDON,
ROBERT W. KNOWLES.

The following are the investments belonging to the Municipal Loan Fund:

Cambridge City Bonds	4s	Mar.	1932	\$2,300 00
Cambridge City Bonds	3½s	Aug.	1932	9,000 00
Cambridge City Bonds	4s	Dec.	1932	3,000 00
Cambridge City Bonds	4s	Mar.	1933	2,300 00
Cambridge City Bonds	3½s	April	1933	35,000 00
Cambridge City Bonds	3½s	Oct.	1933	15,000 00
Cambridge City Bonds	4s	Dec.	1933	3,000 00
Cambridge City Bonds	4s	Mar.	1934	2,300 00
Cambridge City Bonds	3½s	May	1934	1,000 00
Cambridge City Bonds	4s	Dec.	1934	3,000 00
Cambridge City Bonds	4s	Mar.	1935	2,300 00
Cambridge City Bonds	4s	Aug.	1935	100,000 00
Cambridge City Bonds	4s	Dec.	1935	3,000 00
Cambridge City Bonds	4s	Feb.	1936	45,000 00
Cambridge City Bonds	4s	Mar.	1936	2,300 00
Cambridge City Bonds	4s	May	1936	30,000 00
Cambridge City Bonds	4s	Dec.	1936	3,000 00
Cambridge City Bonds	4s	Mar.	1937	2,000 00
Cambridge City Bonds	3½s	Sept.	1937	90,000 00
Cambridge City Bonds	4s	Nov.	1937	10,000 00
Cambridge City Bonds	3½s	Nov.	1937	50,000 00
Cambridge City Bonds	4s	Mar.	1938	2,000 00
Cambridge City Bonds	3½s	Aug.	1938	78,000 00
Cambridge City Bonds	4s	Mar.	1939	2,000 00
Cambridge City Bonds	3½s	July	1939	1,000 00
Cambridge City Bonds	3½s	Aug.	1939	1,000 00
Cambridge City Bonds	4s	Mar.	1940	2,000 00
Cambridge City Bonds	4s	Mar.	1941	2,000 00
Amount carried forward				\$501,500 00

<i>Amount brought forward</i>				\$501,500 00
Cambridge City Bonds.....	3½s	Oct.	1941	25,000 00
Cambridge City Bonds.....	4s	Mar.	1942	2,000 00
Cambridge City Bonds.....	3½s	Aug.	1942	3,000 00
Cambridge City Bonds.....	3½s	Jan.	1943	3,000 00
Cambridge City Bonds.....	4s	Mar.	1943	2,000 00
Cambridge City Bonds.....	3½s	April	1943	8,000 00
Cambridge City Bonds.....	3½s	Jan.	1944	5,000 00
Cambridge City Bonds.....	4s	Mar.	1944	2,000 00
Cambridge City Bonds.....	3½s	May	1944	10,000 00
Cambridge City Bonds.....	4s	Mar.	1945	2,000 00
Cambridge City Bonds.....	3½s	May	1945	5,000 00
Cambridge City Bonds.....	4s	Mar.	1946	2,000 00
Cambridge City Bonds.....	4s	Aug.	1946	50,000 00
Cambridge City Bonds.....	4s	Mar.	1947	2,000 00
Cambridge City Bonds.....	4s	Mar.	1948	2,000 00
Cambridge City Bonds.....	4s	Mar.	1949	2,000 00
Cambridge City Bonds.....	4s	Mar.	1950	2,000 00
Cambridge City Bonds.....	4s	Mar.	1951	2,000 00
Cambridge City Bonds.....	4s	Mar.	1952	2,000 00
Cambridge City Bonds.....	4s	Mar.	1953	2,000 00
Cambridge City Bonds.....	4s	Mar.	1954	2,000 00
Cambridge City Bonds.....	4s	Mar.	1955	2,000 00
Cambridge City Bonds.....	4s	Mar.	1956	2,000 00
Cambridge City Bonds.....	4s	Mar.	1957	2,000 00
Quincy City Bonds.....	3½s	April	1932	1,000 00
Omaha, Neb., City Bonds.....	4½s	May	1932	10,000 00
Berlin, N. H., City Bonds.....	4½s	July	1932	5,000 00
Brockton City Bonds.....	3½s	Nov.	1932	10,000 00
Minneapolis, Minn., City Bonds.....	3½s	Jan.	1933	5,000 00
Berlin, N. H., City Bonds.....	4½s	July	1933	4,000 00
New Britain, Conn., City Bonds.....	4s	Aug.	1933	5,000 00
Freemont, Elkhorn & Missouri River Railroad Company, Railroad Bonds.....	6s	Oct.	1933	5,000 00
Seattle, Wash., City Bonds.....	4½s	July	1934	10,000 00
Berlin, N. H., City Bonds.....	4½s	July	1934	5,000 00
Augusta, Maine, Water District Bonds....	4s	Aug.	1934	10,000 00
Waterbury, Conn., City Bonds.....	3½s	Jan.	1935	10,000 00
St. Louis, Mo., City Bonds.....	4½s	April	1935	50,000 00
St. Paul, Minn., City Bonds.....	4½s	May	1935	25,000 00
Berlin, N. H., City Bonds.....	4½s	July	1935	5,000 00
Maine Central Railroad Bonds.....	4½s	Dec.	1935	100,000 00
Fall River, City Bonds.....	4s	Mar.	1936	15,000 00
Berlin, N. H., City Bonds.....	4½s	July	1936	5,000 00
Coos County, N. H., County Bonds.....	4¼s	Sept.	1936	10,000 00
Berlin, N. H., City Bonds.....	4½s	July	1937	5,000 00
Coos County, N. H., County Bonds.....	4¼s	Sept.	1937	5,000 00
Detroit, Mich., City Bonds.....	4½s	Sept. 15,	1937	15,000 00
Newport, R. I., City Bonds.....	4¼s	Oct.	1937	5,000 00
Hartford, Conn., City Bonds.....	3½s	Jan.	1938	26,000 00
Berlin, N. H., City Bonds.....	4½s	July	1938	5,000 00
Newport, R. I., City Bonds.....	4¼s	Oct.	1938	5,000 00
Bristol, Conn., City Bonds.....	4½s	Jan.	1939	10,000 00
Hartford, Conn., City Bonds.....	4½s	Feb.	1939	13,000 00
Minneapolis, Minn., City Bonds.....	4s	July	1939	50,000 00
Berlin, N. H., City Bonds.....	4½s	July	1939	5,000 00
Toledo, Ohio, City Bonds.....	4s	Sept.	1939	15,000 00
<i>Amount carried forward</i>				\$1,091,500 00

<i>Amount brought forward</i>				\$1,091,500 00
Dayton, Ohio, City Bonds	4½s	Sept.	1939	8,000 00
New Hampshire, State Bonds	4½s	Dec.	1939	50,000 00
New Jersey, State Bonds	4¼s	Jan.	1940	50,000 00
Dayton, Ohio, City Bonds	4½s	Sept.	1940	8,000 00
Toledo, Ohio, City Bonds	4s	Sept.	1940	15,000 00
New Hampshire, State Bonds	4½s	Dec.	1940	50,000 00
Illinois, State Bonds	4s	Mar.	1941	10,000 00
Stamford, Conn., City Bonds	4½s	July	1941	10,000 00
Detroit, Mich., City Bonds	4½s	Dec. 15,	1941	50,000 00
Boston & Maine Railroad Bonds	5s	Mar.	1942	40,000 00
Portland, Me., Water District Bonds	4s	May	1942	40,000 00
Jersey City, N. J., City Bonds	4¾s	June	1942	5,000 00
St. Louis, Mo., City Bonds	4¼s	Nov.	1942	25,000 00
Federal Land Bank, City Bonds	4½s	Jan.	1943	50,000 00
Illinois State Bonds	4s	Mar.	1943	40,000 00
Jersey City, N. J., City Bonds	4¾s	June	1943	5,000 00
Nashua, N. H., City Bonds	4¼s	July	1943	7,000 00
Jersey City, N. J., City Bonds	5s	Oct.	1943	50,000 00
Cleveland, Ohio, City Bonds	5s	Mar.	1944	15,000 00
Louisiana, State Bonds	5s	Mar.	1944	50,000 00
Newark, N. J., City Bonds	4½s	Mar. 15,	1944	50,000 00
Nashua, N. H., City Bonds	4¼s	July	1944	10,000 00
Portland, Me., Water District Bonds	4s	Aug.	1944	60,000 00
Providence, R. I., City Bonds	4s	Jan.	1945	100,000 00
Cleveland, Ohio, City Bonds	5s	Mar.	1945	15,000 00
Cleveland, Ohio, City Bonds	3¾s	Oct.	1945	6,000 00
Omaha, Neb., City Bonds	4½s	Nov.	1945	50,000 00
Cleveland, Ohio, City Bonds	5s	Mar.	1946	20,000 00
Milwaukee, Wis., City Bonds	4½s	July	1946	25,000 00
Canton, Ohio, City Bonds	5½s	Dec.	1947	5,000 00
Missouri, State Bonds	4½s	Oct.	1948	50,000 00
Canton, Ohio, City Bonds	5½s	Dec.	1949	5,000 00
United States Liberty Bonds	4¼s	Oct. 15,	1938	300,000 00
United States Treasury Notes	4¼s	Oct. 15,	1952	200,000 00
				\$2,565,500 00

The following are the investments belonging to the Water Loan Fund:

Cambridge City Bonds.....	4s	Mar.	1932	\$500 00
Cambridge City Bonds.....	4s	Mar.	1933	500 00
Cambridge City Bonds.....	3½s	April	1933	1,000 00
Cambridge City Bonds.....	3½s	Nov.	1934	4,000 00
Cambridge City Bonds.....	4s	Feb.	1936	45,000 00
Cambridge City Bonds.....	4s	May	1936	6,000 00
Cambridge City Bonds.....	3½s	Sept.	1937	3,000 00
Cambridge City Bonds.....	3½s	Aug.	1938	22,000 00
Cambridge City Bonds.....	3s	Feb.	1941	20,000 00
Quincy, City Bonds.....	4s	May	1932	1,000 00
St. Louis, Mo., City Bonds.....	4½s	April	1935	10,000 00
St. Paul, Minn., City Bonds.....	4½s	May	1935	25,000 00
Newton, City Bonds.....	4s	Aug.	1935	2,000 00
Dayton, Ohio, City Bonds.....	4½s	Aug.	1935	19,000 00
Coos County, N. H., County Bonds.....	4¼s	Sept.	1935	10,000 00
Toledo, Ohio, City Bonds.....	4¼s	Nov.	1935	25,000 00
Portland, Ore., City Bonds.....	4s	Jan. 2,	1936	5,000 00
Flint, Mich., City Bonds.....	4¼s	Jan. 15,	1936	15,000 00
Rhode Island, State Bonds.....	3s	April	1936	27,000 00
Boston, City Bonds.....	3½s	May	1936	25,000 00
Detroit, Mich., City Bonds.....	4¼s	May 15,	1936	13,000 00
Jersey City, N. J., City Bonds.....	4.23	July	1936	25,000 00
Newton, City Bonds.....	4s	July	1936	11,000 00
Salem, City Bonds.....	3½s	Sept.	1936	5,000 00
Toledo, Ohio, City Bonds.....	4½s	Sept.	1936	10,000 00
Newport, R. I., City Bonds.....	4¼s	Oct.	1936	5,000 00
Dayton, Ohio, City Bonds.....	4½s	Oct.	1936	25,000 00
San Francisco, Cal., City Bonds.....	4½s	Nov.	1936	10,000 00
Grafton, Town Bonds.....	3½s	July	1937	1,000 00
Old Colony R. R. Co., Railroad Bonds.....	4s	Jan.	1938	25,000 00
Grafton, Town Bonds.....	3½s	July	1938	2,000 00
Grafton, Town Bonds.....	3½s	July	1939	2,000 00
United States Liberty Bonds.....	4¼s	Oct. 15,	1938	25,000 00

\$425,000 00

In 1931 the fiscal year was changed to correspond with the calendar year, so that the present report is for the period from April 1, 1931 to December 31, 1931. Municipal bonds to the amount of \$159,000 became due during the nine-month period ending December 31, 1931, and were paid off from this fund. The total amount of municipal debt to be paid from the sinking fund now outstanding is \$3,423,950. Deducting the present amount of the sinking funds at par value, \$2,617,747.85, leaves the net amount of municipal debt chargeable to this fund December 31, 1931, \$806,202.15. During the coming financial year municipal bonds to the amount of \$99,700 will become payable from this fund.

No water bonds became due during the year. The total amount of water debt now outstanding is \$397,500. The present

amount of the sinking funds at par value, \$423,456.57, leaves a surplus in the fund December 31, 1931 of \$34,956.57. During the coming year no bonds will become payable from this fund. All municipal debt issued since 1913, either for municipal purposes or for water works, must be in serial form, and this Board has no duties to perform in regard to debt now incurred for any purpose.

For convenience in keeping the accounts of the fund, the first Commissioners of both the municipal and water funds entered all bonds purchased at par value, regardless of the price paid for them, and entered all interest received at the gross amount, without any deduction for the proportions of premium paid, and this practice has been continued to the present time. This method of keeping the accounts has received the approval of the Director of Accounts of the Commonwealth of Massachusetts.

The Commissioners require collateral security for all bank deposits exceeding \$15,000. This collateral is held in a box in the safe deposit vaults, which can be opened only by the use of two keys, one of which is held by the Chairman of the Commissioners and the other by the bank.

For many years an annual payment has been made to the municipal sinking fund by the City under the terms of an ordinance passed in 1879. For the year 1930 this payment amounted to \$64,135.25. During 1931 a calculation of the present condition of the fund was made by an actuary, which showed that no contribution from the city was needed at this time, nor should any further payment be necessary in the future, if the Commissioners can continue to invest the funds without loss at the rate of $3\frac{1}{2}$ per cent compounded semi-annually. As a result of this examination, no payment was made to the municipal sinking fund by the City during 1931. The City has made no contribution to the water fund since December 1, 1917.

ROBERT W. KNOWLES,
ARTHUR M. WRIGHT,
HENRY BARTLETT,
WILLIAM H. REARDON, JR.

ANNUAL REPORT OF THE FIRE DEPARTMENT

For the Year Ending December 31, 1931

To His Honor the Mayor and the Honorable City Council:

Gentlemen: In compliance with requirements of the City Ordinances I respectfully submit the annual report of the Fire Department of the City of Cambridge for the nine (9) months period beginning April 1, 1931 and ending December 31, 1931.

This report contains the cost of maintenance, membership, condition of apparatus, a record of fires and alarms of fire, and the cause thereof as near as could be ascertained, the value of property at risk, the insurance thereon, the loss or damage sustained, and such other information as may be of interest.

The department answered five hundred and thirty-five (535) box alarms, and four hundred and sixty-six (466) still or telephone calls, a total of one thousand and one (1,001) alarms for the nine-month period.

During the year five (5) multiple alarms of fire were given as follows: two (2) third alarms and three (3) second alarms.

FINANCIAL STATEMENT

Department appropriation for salaries.....	\$345,784 26
Department expended for salaries.....	345,762 54
Unexpended balance from salaries.....	\$21 72
Department appropriation for general expenses.....	\$29,181 41
Department expended for general expenses.....	23,920 18
Unexpended balance from general expenses.....	\$5,261 23

The total value and the losses, together with the insurance and the insurance paid, were as follows:

	Value	Loss	Insurance	Loss Paid
Buildings.....	\$4,136,260 00	\$226,919 90	\$3,429,017 00	\$214,550 90
Contents.....	807,932 46	94,901 98	671,329 00	71,967 98
Total.....	\$4,944,192 46	\$321,821 88	\$4,100,346 00	\$286,518 88

ORGANIZATION

The manual force of the department for the year ending December 31, 1931 consisted of two hundred (200) members as

follows: one (1) chief, two (2) deputy chiefs, one (1) master mechanic with the rank of captain, eleven (11) captains, fourteen (14) lieutenants, one hundred and seventy-one (171) privates, one (1) civilian with the rank of mechanician.

There are nine (9) motor pumping engine companies and four (4) aerial ladder companies in active service.

During the year eight (8) privates were appointed, three (3) to fill vacancies on account of three (3) privates promoted to the grade of lieutenant, one (1) to fill a vacancy on account of a death, one (1) to fill a vacancy for a member pensioned, and three (3) additional members to increase company numbers.

PROMOTIONS

Private Griffin, Edward J., of Ladder Company No. 1, promoted to lieutenant September 20, 1931.

Private Collins, John F., of Ladder Company No. 4, promoted to lieutenant October 18, 1931.

Private Jefferson, William V., of Engine Company No. 8, promoted to lieutenant October 18, 1931.

MEMBERS PENSIONED

Private Stevens, George W., Engine Company No. 5, pensioned November 1, 1931.

Captain Newman, William F., Engine Company No. 8, pensioned December 25, 1931.

DEATHS

Private O'Connell, Cornelius, Engine Company No. 7, died May 5, 1931.

Lieutenant Atkinson, William J., Engine Company No. 4, died August 17, 1931.

Captain Conroy, Edward J., Ladder Company No. 4, died September 18, 1931.

Captain Anderson, William J., Ladder Company No. 4, died October 24, 1931.

APPARATUS

The apparatus of the department consists of the following:

One (1) triple combination motor pumping engine of 1,000-gallon capacity per minute.

Four (4) triple combination motor pumping engines of 750-gallon capacity per minute.

Four (4) combination motor pumping engines of 750-gallon capacity per minute.
Eight (8) motor combination hose and chemical carriers.
Three (3) seventy-five (75) foot aerial motor ladder trucks.
One (1) eighty-five (85) foot aerial motor ladder truck.
One (1) fully equipped floodlight wagon.
One (1) repair and wrecking truck fully equipped with tools, winch and hoist, and on all multiple alarms carries a deck gun.
One (1) automobile for chief of department.
One (1) automobile for deputy chiefs.
Ladder Company No. 2 and Ladder Company No. 3 are equipped with tower pipes.

APPARATUS IN RESERVE

One (1) triple combination motor pumping engine of 750-gallon capacity per minute.
One (1) motor combination hose and chemical carrier.
One (1) city service motor-driven ladder truck fully equipped.
One (1) horse-drawn ladder truck fully equipped.
One (1) horse-drawn combination hose and chemical wagon.

All repairs to the apparatus have been made by the repair division under the supervision of the master mechanic of the department, and the apparatus is in good condition, with the exception of Ladder No. 1, which has been in service since January 8, 1919 and we are having considerable trouble with it lately, and it is impossible to get rubber tires for this type truck, which is a motor-driven two (2) wheel tractor, seventy-five (75) aerial ladder truck, and I would most respectfully recommend that an appropriation be made to purchase a four (4) wheel tractor aerial ladder truck to take the place of Ladder No. 1.

HOSE

There is now in service and in reserve nineteen thousand, two hundred and fifty (19,250) feet of two and one half ($2\frac{1}{2}$) inch cotton rubber lined hose, and two thousand, eight hundred and twenty-five (2,825) feet of three quarter ($\frac{3}{4}$) inch rubber chemical hose.

Ladder Company No. 2 has fifty (50) feet of three (3) inch cotton rubber lined hose for tower pipe connection.

Ladder Company No. 3 has fifty (50) feet of three (3) inch cotton rubber lined hose for tower pipe connection.

INSPECTIONS AND FIRE PREVENTION

This branch of the department consisting of the company officers under the supervision of the chief of department have been assigned to this work and make inspections of their districts twice a week, and they have been the means of producing good

results by their thorough inspections of dwellings, apartment houses, manufacturing plants, garages, stores, etc. and instructing the owner or occupant to keep their premises clear and free of all combustible rubbish, etc., and the keeping of all hallways, stairways, fire escapes and windows free of all obstructions that might hinder the firemen in case of fire.

During the nine (9) months past seven thousand, three hundred and eighty-three (7,383) inspections were made by the officers, and the reports of said inspections were forwarded to the chief of department where the same are kept on file.

DRILL SCHOOL

The drill school of the Cambridge Fire Department was operated from June 23, 1931 until November 7, 1931. The sessions of the school were held every morning and every afternoon — (except Sundays and holidays) — for two and one half ($2\frac{1}{2}$) hour periods each session, taking care of one hundred and fourteen (114) members.

During the time that the drill school was in session the members of the department received instructions in the raising and lowering of ladders, the laying, carrying and hoisting of lines of hose, the use of life lines and life nets, and the use of all appliances carried on our apparatus and also instruction in the prone pressure method of resuscitation, and the use of gas masks, and I believe that the benefits derived from this drill school is shown in the operation of the department under actual working conditions today, and the drill school will be continued in operation just as soon as the weather permits so as to instruct those members who did not attend the first session, and will be continued every year for the benefit of all new members of the department.

FATALITIES

Mr. Frank Gallagher died at the Cambridge Relief Hospital on April 14, 1931 from the effect of burns received at a fire from box 242 at No. 113 Harvard Street, where he resided as a tenant.

RECOMMENDATIONS

I again renew my recommendation that I have been making from year to year that a suitable building be erected on the land owned by the City of Cambridge and situated on Portland Street,

adjoining the House of Ladder Company No. 2, the same to be used as a repair shop for the Fire Department so that the work of repairing the fire apparatus can be properly done, as the present repair shop located in Engine No. 5 House; Inman Square, is altogether too small to carry on the work required for the care and repair of the aerial ladder trucks which are so large and long that we have very little room to work on them, and also all other fire apparatus in the department; and also that a drill tower be built in connection with this building so that all members of the Fire Department can be properly instructed and schooled in the handling of all equipment and appliances used by the Fire Department.

I also renew my recommendation that land be purchased and a building erected thereon to take the place of the fire station now located in Lafayette Square, and Housing Engine No. 2 and Ladder No. 3. This station is too large for Fire Department purposes and the land too valuable to be used as a fire station site.

I would also recommend that the lot of land at the corner of Broadway and Sixth Street owned by the City and formerly used by the school department, be turned over to the Fire Department and a fire station be erected on said lot to take the place of Engine No. 7 now located on Main Street at the corner of Dock Street, as this fire station in its present condition is not up to date, and in order to make this station suitable for Fire Department purposes it would cost a considerable amount of money. I might also add in connection with my recommendation for said fire station on this lot at Broadway corner of Sixth Street that at some future date we will be compelled to locate a ladder company in this district.

CONCLUSION

I desire to express my personal acknowledgment to his Honor the Mayor for his uniform courtesy and for the interest manifested by him in all matters connected with the Fire Department.

My thanks are also due the officers and members of the Fire Department for the prompt and faithful discharge of their duty, and also to the electrical, police and water departments for their coöperation and assistance during the year.

Respectfully submitted,

JAMES M. CASEY,
Chief of Fire Department.

FIRE DEPARTMENT ROSTER

Chief.....	James M. Casey
Deputy Chief.....	Cutler L. Vose
Deputy Chief.....	Albert R. Wait
Master Mechanic, rank of Captain.....	William J. Reilly
Assistant Master Mechanic, rank of Engineman.....	Hugh J. Powers
Chief's Clerk, rank of Private.....	Edward E. Gaughan
Chief's Aid, rank of Private.....	George A. Regan
Chief's Aid, rank of Private.....	George E. Blomquist
Civilian Mechanician.....	Joseph P. Flynn

ENGINE COMPANY No. 1

176 River Street

Captain.....	Daniel E. Shea
Lieutenant.....	Timothy F. McCarthy
Permanent Private.....	William T. Anderson
Permanent Private.....	Ralph Barnes
Permanent Private.....	John F. Coughlin
Permanent Private.....	Henry A. Cutting
Permanent Private.....	Leo A. Diehl
Permanent Private.....	Joseph B. Higgins
Permanent Private.....	Hiram W. Hooker
Permanent Private.....	Francis R. Jefferson
Permanent Private.....	Patrick J. Murphy
Permanent Private.....	John J. Stack
Permanent Private.....	Thomas F. Sweeney
Permanent Private.....	Manuel G. Travers

ENGINE COMPANY No. 2

378 Massachusetts Avenue

Captain.....	John H. Dardis
Lieutenant.....	Henry J. O'Brien
Permanent Private.....	Thomas H. Anderson
Permanent Private.....	Charles A. Cairns
Permanent Private.....	Earland S. Cobb
Permanent Private.....	Horace Eagleson
Permanent Private.....	Arthur J. Foster
Permanent Private.....	Patrick J. Hayes
Permanent Private.....	Dennis McCarthy
Permanent Private.....	Thomas V. McGrath
Permanent Private.....	John J. Murphy, No. 2
Permanent Private.....	Daniel J. O'Connell
Permanent Private.....	William Quayle
Permanent Private.....	William A. Witham

ENGINE COMPANY No. 3

Third and Gore Streets

Captain.....	George L. Church
Lieutenant.....	Frank J. Murray
Permanent Private.....	Francis J. Belcher
Permanent Private.....	William F. Bulger
Permanent Private.....	Francis W. Dilworth
Permanent Private.....	James A. S. Drinkwater
Permanent Private.....	Henry E. Findley
Permanent Private.....	Daniel J. Holleran
Permanent Private.....	Edward J. Looney
Permanent Private.....	Daniel J. Manley
Permanent Private.....	James Stack
Permanent Private.....	John J. Stanton
Permanent Private.....	Francis J. Sweeney

ENGINE COMPANY No. 4

2029 Massachusetts Avenue

Captain.....	Arthur L. Marshall
Lieutenant.....	Edward J. Griffin
Permanent Private.....	Walter L. Allen
Permanent Private.....	James W. Breslin
Permanent Private.....	John J. Connolly
Permanent Private.....	Leo A. Cook
Permanent Private.....	William J. Coyne
Permanent Private.....	Edward L. Cuthbert
Permanent Private.....	James H. Glennon
Permanent Private.....	Thomas A. Haley
Permanent Private.....	John T. Henderson
Permanent Private.....	Thomas J. Lovett
Permanent Private.....	Arthur J. Tremblay
Permanent Private.....	Louis J. Woodbury

ENGINE COMPANY No. 5

Inman Square

Captain.....	Herman E. Gutheim
Lieutenant.....	John F. Collins
Permanent Private.....	Joseph Bedard
Permanent Private.....	John J. Callan
Permanent Private.....	Frank A. Casey
Permanent Private.....	James J. Corkery
Permanent Private.....	William J. Curry
Permanent Private.....	Jeremiah F. Hayes
Permanent Private.....	William G. Johnson
Permanent Private.....	Luke F. Masterson
Permanent Private.....	Edward T. Murphy
Permanent Private.....	Charles T. O'Connor
Permanent Private.....	James J. Fitzgerald
Permanent Private.....	David J. Ryan
Permanent Private.....	George A. Ryan
Permanent Private.....	Timothy F. White

ENGINE COMPANY No. 6

176 River Street

Captain.....	Frank McGrath
Lieutenant.....	James H. McCabe
Permanent Private.....	John E. Bagwell
Permanent Private.....	Joseph A. Brusard
Permanent Private.....	William J. Campbell
Permanent Private.....	Edward F. Daisy
Permanent Private.....	John J. Dineen
Permanent Private.....	James E. Jefferson
Permanent Private.....	Henry E. Kilfoyle
Permanent Private.....	Thomas F. Mullin
Permanent Private.....	John J. Murphy, No. 1
Permanent Private.....	George H. Carrier

ENGINE COMPANY No. 7

Main Street, Corner Dock Street

Captain.....	Thomas F. O'Connell
Lieutenant.....	John J. Ford
Permanent Private.....	Joseph T. Ballantine

Permanent Private.....	James B. Burrell
Permanent Private.....	Edward J. Campbell
Permanent Private.....	Benjamin J. Cavanaugh
Permanent Private.....	James E. Cunha
Permanent Private.....	William F. Davidson
Permanent Private.....	Frank Foster
Permanent Private.....	Francis J. G. Hanley
Permanent Private.....	Joseph S. Hayes
Permanent Private.....	Joseph E. McKenna
Permanent Private.....	Carl J. Johnson
Permanent Private.....	Otis D. Powers

ENGINE COMPANY No. 8

Junction of Garden and Sherman Streets

Lieutenant.....	John Gibson
Permanent Private.....	Alfred J. Boisvert
Permanent Private.....	Lawrence A. Bolduc
Permanent Private.....	William J. Doliver
Permanent Private.....	Francis V. Doyle
Permanent Private.....	John J. Flavin
Permanent Private.....	Robert F. Kelley
Permanent Private.....	Michael T. Munyon
Permanent Private.....	John J. Murphy, No. 3
Permanent Private.....	Maurice J. Murphy
Permanent Private.....	Aloysius O'Reilly
Permanent Private.....	John P. Wallace
Permanent Private.....	Thomas L. Wilkshire

ENGINE COMPANY No. 9

167 Lexington Avenue

Captain.....	Richard J. Doyle
Lieutenant.....	Timothy Curran
Permanent Private.....	Charles L. Carrier
Permanent Private.....	Edmund M. Burke
Permanent Private.....	Elzear D. Breton
Permanent Private.....	Charles H. Cooke
Permanent Private.....	Lawrence A. Corcoran
Permanent Private.....	Charles P. Cox
Permanent Private.....	George E. Lorigan
Permanent Private.....	Thomas J. Mahoney
Permanent Private.....	James H. Sullivan
Permanent Private.....	Jeremiah J. Sullivan

LADDER COMPANY No. 1

City Building, Brattle Square

Captain.....	John D. Shea
Lieutenant.....	Warren A. Dale
Permanent Private.....	Charles N. Anderson
Permanent Private.....	John J. Balfe
Permanent Private.....	Edward R. Caldwell
Permanent Private.....	George Cotter
Permanent Private.....	William Dias
Permanent Private.....	Ursise E. Fournier
Permanent Private.....	Andrew L. Gelinas
Permanent Private.....	Jeffry J. Landry
Permanent Private.....	Thomas W. Lane
Permanent Private.....	John L. Lavey

Permanent Private.....	Joseph C. Lehan
Permanent Private.....	David C. Murphy
Permanent Private.....	John H. O'Leary
Permanent Private.....	Edward J. Shea
Permanent Private.....	Laurence M. Tarbox
Permanent Private.....	Daniel A. Walsh

LADDER COMPANY No. 2
Corner Thorndike and Portland Streets

Captain.....	Dennis R. Sullivan
Lieutenant.....	Charles J. McElroy
Permanent Private.....	William A. C. Acford
Permanent Private.....	Edwin R. Bradshaw
Permanent Private.....	James J. Fitzgerald
Permanent Private.....	William E. Foley
Permanent Private.....	George H. Friel
Permanent Private.....	Edward R. Harrington
Permanent Private.....	Laurence H. Johnson
Permanent Private.....	Joseph King
Permanent Private.....	Daniel P. Moynihan
Permanent Private.....	James E. Mulrey
Permanent Private.....	Joseph T. Neves
Permanent Private.....	Michael Mullen
Permanent Private.....	Joseph Silveria
Permanent Private.....	Arthur W. Tisdale
Permanent Private.....	Edward J. Tobin
Permanent Private.....	William J. White

LADDER COMPANY No. 3
394 Massachusetts Avenue

Captain.....	William C. Richardson
Lieutenant.....	Edward F. Kelley
Permanent Private.....	Louis C. Avery
Permanent Private.....	Emerill B. Beucler
Permanent Private.....	John A. Cardoso
Permanent Private.....	William J. Connell
Permanent Private.....	Louis H. Fabry
Permanent Private.....	Thomas M. Harrington
Permanent Private.....	Noel A. Landry
Permanent Private.....	Michael F. Maloney
Permanent Private.....	John P. McPherson
Permanent Private.....	Joseph A. Mills
Permanent Private.....	Joseph A. Mullen
Permanent Private.....	Timothy F. Murphy
Permanent Private.....	Eugene L. O'Keefe
Permanent Private.....	Edward F. Traynor
Permanent Private.....	Joseph H. Vargus
Permanent Private.....	Edward A. Malone

LADDER COMPANY No. 4
Junction of Garden and Sherman Streets

Lieutenant.....	Joseph H. Caldwell
Lieutenant.....	William V. Jefferson
Permanent Private.....	James E. Crowley
Permanent Private.....	Joseph R. Flynn
Permanent Private.....	John J. Drinan

Permanent Private.....	Matthew F. Gleason
Permanent Private.....	Warren A. Hardy
Permanent Private.....	Andrew P. Keenan
Permanent Private.....	Frank A. Lyshorn
Permanent Private.....	Michael J. Mahoney
Permanent Private.....	Joseph W. McCloskey
Permanent Private.....	Michael J. Murphy
Permanent Private.....	Thomas W. Murphy
Permanent Private.....	William F. Newman, Jr.
Permanent Private.....	Thomas F. O'Conner
Permanent Private.....	Hugh P. Quinn

CAUSES OF FIRES AND ALARMS

Accidents.....	5
Aiding or assisting persons.....	13
Automobiles.....	98
Bonfires.....	19
Careless use of lighted candle.....	2
Careless use of lighted cigarette.....	57
Careless use of lighted match.....	40
Children playing with matches.....	30
Chimney fires (soot).....	29
Clothing, etc., near hot stove or pipe.....	2
Curtains blowing against flame.....	3
Defective A. D. T. system.....	19
Defective automatic system.....	7
Defective sprinkler system.....	25
Defective plumber's torch.....	1
Defective wiring in buildings.....	4
Defective wiring on poles.....	1
Defective wiring on street cars.....	5
Defective chimneys.....	2
Dump fires.....	25
False alarms.....	161
Fat or meat on stoves or in ovens.....	17
Fireworks or firecrackers.....	6
Freight cars.....	1
Fumes from inflammable fluids, etc.....	23
Grass or brush.....	35
Hot ashes in box or barrel (wood).....	11
Hot electric appliances.....	8
Hot pipe in smokers' clothes.....	1
Incendiary.....	10
Kerosene or gas stoves and lamps.....	6
Leaves in street or yard.....	11
Lightning.....	1
Needless or unnecessary.....	15
Oil burners.....	5
Old trees.....	3
Overheated stove or smoke pipes.....	8
Rekindle.....	1
Responded outside of city limits.....	32
Rubbish in street, building or yard.....	60
Rats and matches.....	4
Set by boys.....	40
Shavings or sawdust.....	1
Short circuits in motors or batteries.....	12
Smoke, steam or sparks mistaken for fire.....	46
Smoky stove or chimney.....	4

Sparks from chimney.....	26
Sparks from locomotive.....	3
Sparks from stove or furnace.....	10
Smoking in bed.....	5
Spontaneous combustion.....	30
Static electricity.....	5
Tar kettle.....	1
Unknown.....	12
Total.....	1,001 alarms

REPORT OF THE CHIEF OF POLICE

Cambridge, Mass., January 1, 1932.

To His Honor the Mayor and the Honorable City Council:

Gentlemen: In compliance with the City Ordinance I have the honor to submit the following report of the Police Department for the year ending December 31, 1931.

ORGANIZATION OF THE DEPARTMENT

1 Chief.....	\$4,500 00 per year
7 Captains.....	3,000 00 per year
7 Lieutenants.....	2,750 00 per year
19 Sergeants.....	2,550 00 per year
186 Patrolmen.....	2,190 00 per year
34 Reserve Patrolmen.....	1,782 50 first year
	1,982 50 second year
	2,190 00 third year
1 Policewoman.....	2,190 00 per year
2 Matrons.....	21.50 per week

DEPARTMENT ROSTER

Name	Rank	Date of Appointment	
McBRIDE, JOHN J., Chief.....		April	27, 1887
BRENNAN, MICHAEL J., Captain.....		April	14, 1884
CANNEY, JOHN J., Captain.....		May	28, 1901
DONAHUE, JOSEPH J., Captain.....		April	26, 1904
LEAHY, TIMOTHY F., Captain.....		September	6, 1898
HURLEY, PATRICK J., Captain.....		October	20, 1886
GINTY, WILLIAM B., Captain.....		March	24, 1903
WELCH, EDWARD J., Captain.....		November	14, 1893
AYLWARD, RICHARD H., Lieutenant.....		December	30, 1890
DOUGLAS, ROBERT J., Jr., Lieutenant.....		April	26, 1904
HEALEY, PATRICK J., Lieutenant.....		May	3, 1904
KELLEY, JOSEPH J., Lieutenant.....		April	3, 1906
SHANNON, JOSEPH J., Lieutenant.....		May	24, 1904
WINSLOW, JOHN E., Lieutenant.....		January	22, 1889
WYMAN, CHARLES E., Lieutenant.....		May	3, 1898
BATEMAN, WELLINGTON D., Sergeant.....		March	1, 1914
BRADLEY, CHARLES E., Sergeant.....		May	29, 1900
CURTIN, WILLIAM A., Sergeant.....		January	13, 1909
DONELAN, CHARLES P., Sergeant.....		June	10, 1919
FALVEY, TIMOTHY F., Sergeant.....		April	1, 1915
KING, JOHN R., Sergeant.....		July	2, 1921
LANDRIGAN, JAMES R., Sergeant.....		June	20, 1911
LINEHAN, RICHARD J., Sergeant.....		October	24, 1917
MAHER, EDWARD J., Sergeant.....		April	1, 1915
MALLAHAN, CHARLES E., Sergeant.....		March	1, 1914

McCAFFERY, BERNARD J., Sergeant.....	June	30, 1891
McCARATHY, PATRICK J., Sergeant	April	1, 1915
McMAHON, MICHAEL, Sergeant.....	April	25, 1905
MAHONEY, GEORGE J., Sergeant.....	December	28, 1897
MULVANEY, SIMON J., Sergeant.....	February	23, 1892
O'DELL, WILLIAM L., Sergeant.....	June	10, 1908
PRESHO, CHARLES H., Sergeant.....	February	4, 1896
READY, PATRICK J., Sergeant.....	January	1, 1916
STOKES, THOMAS J., Sergeant.....	August	1, 1913
ACKERLY, JOHN M., Patrolman.....	December	12, 1906
ANDERSON, WILLIAM, Patrolman.....	October	17, 1925
ANDREW, FRANK, Patrolman.....	June	26, 1906
ARTHUR, SAMUEL, Patrolman.....	September	23, 1923
AYLWARD, HENRY J., Patrolman	January	9, 1928
BANATT, WILLIAM A., Patrolman.....	September	13, 1928
BARRETT, JOHN P., Patrolman.....	May	13, 1928
BOURGET, JOSEPH A., Patrolman.....	February	27, 1912
BREEN, JOSEPH P., Patrolman.....	November	16, 1919
BUCHANAN, GEORGE, Patrolman.....	August	24, 1924
BURGESS, WALTER H., Patrolman.....	May	6, 1928
BURKE, THOMAS F., 1st, Patrolman	April	26, 1904
BURKE, THOMAS F., 2d, Patrolman	March	1, 1914
BURNS, ROBERT A., Patrolman.....	February	28, 1928
CAHALANE, JOHN, Patrolman.....	June	20, 1911
CALLAHAN, TIMOTHY J., Patrolman.....	October	24, 1917
CAMPBELL, THOMAS M., Patrolman.....	October	27, 1896
CARROLL, THOMAS F., Patrolman.....	November	16, 1919
CHANT, JOSEPH T., Patrolman.....	November	23, 1926
CLEARY, MARK J., Patrolman.....	October	24, 1917
COFFEY, ARTHUR F., Patrolman.....	February	16, 1927
COLLINS, FREDERICK V., Patrolman.....	May	4, 1909
COMERFORD, EDWARD J., Patrolman.....	July	1, 1890
COOPER, STEWART F., Patrolman.....	February	28, 1928
COSGROVE, JOHN F., Patrolman.....	December	25, 1917
COVELL, PAUL B., Patrolman.....	September	21, 1928
CRANE, TIMOTHY, Patrolman.....	November	6, 1903
CRONIN, MICHAEL F., Patrolman.....	November	23, 1926
CULHANE, ROBERT G., Patrolman.....	July	18, 1903
CUMMINGS, JOHN F., Patrolman.....	May	5, 1908
CUNNINGHAM, JOHN A., Patrolman.....	May	24, 1925
CUNNINGHAM, MARK E., Patrolman.....	January	5, 1927
CURRAN, MICHAEL J., Patrolman.....	May	5, 1908
CURTIN, PATRICK J., Patrolman.....	June	20, 1911
DALTON, GEORGE E., Patrolman.....	November	5, 1922
DAVIS, HARRY W., Patrolman.....	July	23, 1901
DEMPSEY, LAWRENCE P., Patrolman.....	June	26, 1906
DIEHL, ANTON B., Patrolman.....	August	8, 1899
DOHERTY, JOSEPH F., Patrolman.....	April	26, 1904
DONOVAN, EDWARD F., Patrolman	April	1, 1915
DONAHUE, JOHN J., Patrolman.....	May	3, 1924
DORAN, JOSEPH F., Patrolman.....	June	8, 1928
DOYLE, ARTHUR D., Patrolman.....	November	23, 1926
DRISCOLL, WILLIAM J., Patrolman.....	October	20, 1918
DUGGAN, FRANCIS L., Patrolman.....	February	28, 1928
DWYER, EDWARD, Patrolman.....	May	4, 1904
DYNAN, ANTHONY, Patrolman.....	June	20, 1911
DYNAN, LEO D., Patrolman.....	April	1, 1915
FABREY, FRANK J., Patrolman.....	May	5, 1908
FALVEY, JOHN H., Patrolman.....	January	28, 1914
FINNEGAN, JOHN D., Patrolman.....	November	5, 1922

FLYNN, JOHN E., Patrolman.....	November 5, 1922
FLYNN, WILLIAM, Patrolman.....	February 27, 1912
FOLEY, JOHN J., Patrolman.....	November 5, 1922
GAFFNEY, JOHN A., Patrolman.....	February 28, 1928
GARDINER, FREDERICK D., Patrolman.....	December 29, 1925
GAUDET, JOHN J., Patrolman.....	December 25, 1928
GLENNON, EDWARD J., Patrolman.....	May 3, 1924
GORDON, EDWARD C., Patrolman.....	December 12, 1906
GORMLEY, RAYMOND L., Patrolman.....	May 3, 1924
GORMLEY, WILLIAM G., Patrolman.....	June 10, 1919
GRADY, JEREMIAH J., Patrolman.....	August 5, 1925
GUTOSKIE, FRANK H., Patrolman.....	July 26, 1904
HACKETT, MORTIMER M., Patrolman.....	November 28, 1893
HALLIDAY, HERBERT R., Patrolman.....	April 1, 1915
HALLISEY, WILLIAM F., Patrolman.....	January 9, 1928
HANLON, DANIEL L., Patrolman.....	October 29, 1924
HARNEY, THOMAS M., Patrolman.....	March 26, 1912
HARNEY, WILLIAM H., Patrolman.....	October 31, 1911
HEALY, MICHAEL J., Patrolman.....	January 31, 1917
HEALY, JEROME V., Patrolman.....	May 4, 1926
HENRY, FRANK S., Patrolman.....	May 4, 1919
HOGAN, MARTIN, Patrolman.....	March 1, 1914
HORAN, JOHN S., Patrolman.....	November 5, 1922
HUGHES, MICHAEL F., Patrolman.....	May 4, 1926
HUGHES, ROY G., Patrolman.....	May 4, 1926
HUMPHREYS, WILLIAM J., Patrolman.....	June 20, 1911
JOYCE, MICHAEL J., Patrolman.....	January 5, 1927
KEANE, CLIFFORD L., Patrolman.....	July 15, 1915
KELLEHER, JOHN, Patrolman.....	December 28, 1897
KELLEY, EDWARD J., Patrolman.....	July 20, 1918
KELLEY, EDWIN L., Patrolman.....	March 29, 1918
KELLEY, GEORGE E., Patrolman.....	October 21, 1923
KELLEY, JOSEPH B., Patrolman.....	October 24, 1917
KELLEY, JOSEPH J., Patrolman.....	November 23, 1926
KELLEY, RICHARD A., Patrolman.....	November 5, 1922
KEOUGH, JAMES R., Patrolman.....	July 16, 1911
KILLION, JOHN J., Patrolman.....	December 25, 1928
LEAHY, DENNIS F., Patrolman.....	February 24, 1894
LEARY, THOMAS, Patrolman.....	November 16, 1919
LINDBERG, HORACE, Patrolman.....	May 4, 1926
LEHAN, CORNELIUS J., Patrolman.....	June 27, 1926
LINEHAN, CHARLES H., Patrolman.....	November 5, 1922
LINEHAN, JOHN F., Patrolman.....	October 31, 1923
LYNCH, DAVID E., Patrolman.....	June 24, 1911
LYONS, PETER J., Patrolman.....	July 20, 1918
MAHER, WALTER L., Patrolman.....	April 6, 1925
MAHONEY, JEREMIAH F., Patrolman.....	June 10, 1919
MAINS, HARRY, Patrolman.....	October 31, 1923
MARTIN, CHARLES O., Jr., Patrolman.....	November 23, 1926
McAULIFFE, THOMAS W., Patrolman.....	March 29, 1918
McCAFFREY, JOSEPH H., Patrolman.....	June 10, 1919
McCARTHY, DENNIS, Patrolman.....	April 1, 1915
McCREHAN, JOHN E., Patrolman.....	April 28, 1884
McCULLOUGH, FRANK C., Patrolman.....	March 17, 1913
McCULLOUGH, JOSEPH, Patrolman.....	June 20, 1911
McDONNELL, WILLIAM A., Patrolman.....	November 23, 1926
McFADDEN, RICHARD M., Patrolman.....	August 8, 1899
McINTOSH, CLARENCE, Patrolman.....	September 13, 1928
McLAUGHLIN, FRANCIS A., Patrolman.....	March 21, 1911
McLAUGHLIN, FRANCIS J., Patrolman.....	November 23, 1926

McLAUGHLIN, FRANCIS P., Patrolman.....	July	21, 1927
McMANUS, CHARLES F., Patrolman.....	October	17, 1925
McNAMARA, MATHEW J. F., Patrolman.....	July	20, 1918
MELLO, MANUEL G., Patrolman.....	October	2, 1908
MENTON, THOMAS J., Patrolman.....	November	5, 1922
MORRISON, CHARLES P., Patrolman.....	January	23, 1928
MORRISSEY, THOMAS J., Patrolman.....	March	1, 1914
MULLEN, WILLIAM T., Patrolman.....	December	12, 1911
MULQUEENEY, JOHN P., Patrolman.....	April	26, 1910
MULVIHILL, JOHN F., Patrolman.....	March	1, 1914
MURPHY, EDWARD J., Patrolman.....	December	20, 1918
MURPHY, EDWARD L., Patrolman.....	April	1, 1915
MURPHY, PATRICK J., Patrolman.....	July	20, 1918
MURPHY, PETER J., Patrolman.....	April	26, 1904
MURRAY, GEORGE F., Patrolman.....	May	3, 1924
MURRAY, WILLIAM L., Patrolman.....	June	6, 1923
NIXON, JAMES J., Patrolman.....	October	7, 1928
NIXON, WILLIAM J., Patrolman.....	November	16, 1919
NORMILE, MICHAEL C., Patrolman.....	March	26, 1912
O'BRIEN, EUGENE J., Patrolman.....	May	7, 1927
O'BRIEN, DENNIE W., Patrolman.....	April	6, 1912
O'BRIEN, JOHN J., Patrolman.....	April	26, 1904
O'CONNOR, JOSEPH, Patrolman.....	December	31, 1922
O'LOUGHLIN, THOMAS F., Patrolman.....	June	1, 1914
O'NEIL, FRANKLIN M., Patrolman.....	July	20, 1918
O'NEIL, MARTIN, Patrolman.....	November	5, 1922
PATTEN, GEORGE A., Patrolman.....	April	26, 1904
PATTEN, LEONARD E., Patrolman.....	February	28, 1928
PATTEN, RAYMOND L., Patrolman.....	May	6, 1928
PAULINE, ANTHONY, Patrolman.....	September	23, 1923
POWERS, FRANCIS W., Patrolman.....	August	24, 1924
POWERS, JOHN H., Patrolman.....	July	7, 1927
PRIOR, JAMES A., Patrolman.....	October	29, 1924
PROUTY, JOHN H., Patrolman.....	August	24, 1924
QUIGLEY, CHARLES F., Patrolman.....	June	10, 1915
QUINN, JAMES F., Patrolman.....	December	3, 1922
READY, DANIEL J., Patrolman.....	May	6, 1928
REAGAN, JAMES F., Patrolman.....	April	26, 1910
REARDON, JEREMIAH F., Patrolman.....	July	20, 1918
RIENDEAU, JOSEPH L., Patrolman.....	March	1, 1914
RICE, JAMES F., Patrolman.....	October	31, 1923
ROBERTS, JOHN W., Patrolman.....	February	6, 1900
ROBERTSON, WILLIAM H., Patrolman.....	June	30, 1891
ROGAN, JOHN F., Patrolman.....	May	4, 1926
ROPER, GEORGE B., Patrolman.....	July	5, 1914
ROWE, WILLIAM H., Patrolman.....	May	24, 1892
RUSSELL, JAMES D., Patrolman.....	April	26, 1910
RYAN, PHILIP J., Patrolman.....	June	24, 1928
SCANNELL, JAMES J., Patrolman.....	October	17, 1925
SHANNON, THOMAS J., Patrolman.....	July	26, 1904
SHEA, PATRICK F., Patrolman.....	August	24, 1924
SHEA, THOMAS, Patrolman.....	May	13, 1902
SHEEHAN, CORNELIUS, Patrolman.....	June	2, 1903
SHEEHAN, JOHN J., Patrolman.....	June	2, 1903
SULLIVAN, EUGENE, Patrolman.....	October	11, 1910
SULLIVAN, DENNIS, Patrolman.....	February	6, 1903
TANSEY, JOSEPH F., Patrolman.....	April	3, 1906
TEMPLE, JOSEPH C., Patrolman.....	November	17, 1896
TEVLIN, JOHN J., Patrolman.....	April	26, 1910
TIERNEY, EDWARD F., Patrolman.....	May	4, 1929

TOOMEY, TIMOTHY J., Patrolman.....	October	24, 1915
TRANT, JOHN J., Jr., Patrolman.....	July	2, 1926
TURCOTTE, AMOS, Patrolman.....	March	26, 1916
WAIT, ALBERT J., Patrolman.....	November	16, 1917
WALLACE, JAMES H., Patrolman.....	October	17, 1921
WALSH, DAVID H., Patrolman.....	October	27, 1892
WALSH, DAVID L., Patrolman.....	August	8, 1899
WALSH, JOHN, Patrolman.....	December	12, 1906
WARD, WILLIAM F., Patrolman.....	January	23, 1908
WARNOCK, RUSSELL C., Patrolman.....	July	25, 1927
CONNARTON, FRANCIS J., Reserveman.....	December	25, 1928
CREMENS, DENNIS J., Reserveman.....	March	1, 1929
ELDRIDGE, BERNARD J., Reserveman.....	March	1, 1929
CASEY, AENEAS M., Reserveman.....	March	1, 1929
GALLAGHER, RICHARD P., Reserveman.....	March	1, 1929
SHEA, JAMES J., Reserveman.....	March	1, 1929
O'CONNOR, JAMES D., Reserveman.....	March	1, 1929
TEEHAN, JOHN F., Reserveman.....	March	1, 1929
FITZMAURICE, ARTHUR J., Reserveman.....	March	1, 1929
SHEEHAN, FRANCIS J., Reserveman.....	March	1, 1929
OAKLAND, FREDERICK W., Reserveman.....	July	21, 1929
GORMAN, VINCENT J., Reserveman.....	July	21, 1929
FLYNN, EDWARD P., Reserveman.....	October	24, 1929
FITZGERALD, JAMES D., Reserveman.....	January	4, 1930
HOLT, CHARLES S., Reserveman.....	May	22, 1930
ALDERMAN, ROBERT F., Reserveman.....	May	22, 1930
KILLION, WILLIAM T., Reserveman.....	July	27, 1930
McAULEY, WILLIAM, Reserveman.....	July	27, 1930
STONE, WILLIAM J., Reserveman.....	August	8, 1930
TRODDEN, ANDREW T., Reserveman.....	August	26, 1930
MAHONEY, CHARLES C., Reserveman.....	August	26, 1930
McGILLIVRAY, JOHN J., Reserveman.....	September	30, 1930
MUELLER, WILLIAM A., Reserveman.....	September	30, 1930
GRAINGER, JOHN J., Reserveman.....	December	16, 1930
CAMPBELL, EDWIN, Reserveman.....	December	16, 1930
KEENAN, PAUL J., Reserveman.....	January	8, 1931
BRENNAN, DANIEL J., Reserveman.....	January	8, 1931
GUTOSKIE, FRANK H., Jr., Reserveman.....	February	26, 1931
GRINHAM, JOHN J., Reserveman.....	February	26, 1931
BRADY, CHARLES H., Reserveman.....	February	26, 1931
SELFRIDGE, GEORGE, Reserveman.....	March	2, 1931
SCANNELL, WILLIAM P., Reserveman.....	April	3, 1931
KIEF, ARTHUR L., Reserveman.....	April	3, 1931
MARCKINI, ALFRED E., Reserveman.....	April	3, 1931
TAYLOR, J. EDITH, Policewoman.....	March	5, 1921
BARROW, MARY A., Matron.....	May	4, 1919
O'HEARN, MARY, Matron.....	November	18, 1922

CHANGES IN THE DEPARTMENT PERSONNEL

- 3 Reserve officers appointed.
- 2 Reserve officers appointed patrolmen.
- 1 Patrolman pensioned.
- 1 Sergeant died.
- 1 Captain died.

In Memoriam

Captain JAMES E. MURRAY

Appointed May 18, 1870

Pensioned November 1, 1930. Died October 3, 1931

Sergeant JOHN P. NEILON

Appointed August 8, 1899. Died July 28, 1931

PROMOTIONS AND APPOINTMENTS

The following reserve patrolmen were appointed patrolmen: John J. Killion and John J. Gaudet.

The following were appointed reserve patrolmen: William P. Scannell, Arthur L. Kief and Alfred E. Marckini.

Patrolman Edward J. McCabe was pensioned.

The following revenue was received:

Revolver permits.....	\$244 00
Telegrams.....	19 70
Lantern.....	1 00
Miscellaneous.....	1 00
1 Motorcycle.....	75 00
Total.....	\$340 70

NATURE OF OFFENCE

Crimes Against Person

Abortion.....	1	Rape.....	10
Assault (indecent).....	3	Rape (attempt).....	3
Assault and battery.....	213	Robbery.....	26
Assault (intent to rob).....	2	Threats and intimidations.....	10
Assault (dangerous weapon).....	8	Throwing missiles.....	1
Assault on officer.....	8	Carnal abuse.....	2
Manslaughter.....	19		
Murder.....	3	Total.....	310
Murder (attempt).....	1		

Crimes Against Property

Arson.....	1	Trespass.....	68
Breaking and entering.....	127	Unlawful appropriation.....	40
Evading fare.....	18	Conveying leased property.....	14
Larceny in a building.....	3	Attempt: larceny.....	10
Larceny of automobiles.....	41	Attempt: break and enter.....	11
Larceny.....	206	Attempt: larceny of automobile..	3
Larceny from person.....	4	Attempt: rescue prisoner.....	1
Malicious mischief.....	34		
Receiving stolen goods.....	10	Total.....	591

Crimes Against Public Order, etc.

Accosting.....	1	Loitering.....	2
Adultery.....	9	Motor vehicle laws.....	1,216
Abandonment.....	3	Non-support.....	273
Bastardy.....	54	Neglected children.....	29
Illegally possessing firearms.....	2	Obscene pictures.....	4
Bigamy.....	1	Peddling unlicensed.....	37
City Ordinance, violation of.....	47	Perjury.....	4
Common drunkard.....	1	Wilful neglect.....	1
Carrying concealed weapons.....	14	Profanity.....	6
Contempt of Court.....	2	Promoting a lottery.....	23
Conducting a lodging house with- out a license.....	1	Runaways.....	10
Possessing burglar tools.....	1	Rescue.....	2
Conspiracy.....	12	Suspicious persons.....	41
Cruelty to animals.....	3	Violation of parole.....	1
Disturbing the peace.....	171	Stubbornness.....	63
Dog (keeping unlicensed).....	24	Truants.....	5
Drunkenness.....	2,106	Unnatural act.....	1
Escaped prisoner.....	8	Vagabonds.....	1
False alarm of fire.....	3	Vagrants.....	13
False advertising.....	1	Violation of milk laws.....	7
Forgery.....	9	Violation of game law.....	4
Federal laws, violation of.....	5	Violation of liquor law.....	4
Fornication.....	5	Violation of labor law.....	7
Fugitive from justice.....	2	Violation of park rules.....	1
Gaming and present at.....	34	Uttering.....	4
House of ill fame.....	5	Violation of electric law.....	1
Idle and disorderly.....	3	Violation of food law.....	3
Incest.....	1	Violation of traffic.....	16
Indecent exposure.....	6	Violation of probation.....	51
Insane.....	9	Violation of electrical law.....	2
Lewd cohabitation.....	8	Breaking glass.....	1
Lewdness.....	10	Total.....	4,611
Liquor laws, violating.....	191	Recapitulation against property..	591
Disorderly conduct.....	5	Against person.....	310
Allowing dog to run.....	5	Against public order.....	4,611
Gaming nuisance.....	1	Total.....	5,512
Safekeeping.....	9		
Lodging house laws, violation....	1		

Value of property reported stolen	\$271,230 90
Value of property recovered.....	227,649 10
Value of property recovered for other police departments.....	68,018 00

OCCUPATIONS OF PERSONS ARRESTED

Actors.....	10	Brakeman.....	1	Cement finisher...	1
Actress.....	1	Brass finisher.....	3	Chair maker.....	1
Agent.....	50	Bricklayer.....	3	Chauffeur.....	438
Architect.....	1	Broker.....	10	Chef.....	8
Attorney.....	9	Bussboy.....	3	Chemist.....	6
Automobile business	12	Butcher.....	21	Clerk.....	200
Baker.....	56	Butler.....	1	Collector.....	1
Ball player.....	1	Buyer.....	2	Conductor.....	2
Barber.....	20	Caddie.....	3	Contractor.....	21
Blacksmith.....	8	Candy maker.....	14	Cook.....	45
Bookbinder.....	7	Carpenter.....	121	Cooper.....	5
Bookkeeper.....	12	Caterer.....	2	Counteraman.....	2

Dairyman.....	1	Laborer.....	1,519	Prizefighter.....	2
Decorator.....	15	Lather.....	3	Publisher.....	1
Dishwasher.....	1	Laundress.....	5	Railroad man.....	5
Doctor.....	2	Laundryman.....	4	Real estate.....	1
Domestic.....	19	Leather cutter....	3	Reporter.....	1
Draftsman.....	1	Machinist.....	106	Rigger.....	4
Druggist.....	4	Mail carrier.....	4	Roofer.....	13
Electrician.....	30	Manager.....	54	Rubberworker....	61
Elevatorman.....	2	Manufacturer....	7	Sailmaker.....	1
Embalmer.....	1	Mason.....	29	Sailor.....	33
Engineer.....	22	Mechanic.....	87	Salesman.....	409
Engraver.....	1	Merchant.....	89	Schoolboy.....	101
Expressman.....	10	Milk dealer.....	2	Schoolgirl.....	20
Factory worker...	1	Mill hand.....	1	Seamstress.....	1
Farmer.....	8	Moulder.....	5	Shipper.....	24
Federal officer...	1	Musician.....	6	Shoemaker.....	37
Fireman.....	10	Music teacher....	2	Spinner.....	2
Florist.....	4	Naval officer.....	2	Steamfitter.....	33
Foreman.....	22	Newsdealer.....	6	Storekeeper.....	34
Gardener.....	41	None.....	416	Student.....	212
Glazier.....	3	Nurse.....	6	Tailor.....	16
Grinder.....	2	Office boy.....	10	Teacher.....	11
Grocer.....	7	Operator.....	14	Teamster.....	37
Guard.....	1	Orderly.....	2	Tile setter.....	1
Guide.....	3	Painter.....	146	Tinsmith.....	13
Hairdresser.....	3	Patternmaker....	4	Tiremaker.....	1
Helper.....	6	Paver.....	1	Truckman.....	5
Hotel keeper.....	2	Pedlar.....	5	Upholsterer.....	2
Housekeeper.....	193	Physician.....	15	Vagrant.....	2
Ice cream maker..	1	Plasterer.....	10	Waiter.....	11
Iceman.....	7	Plumber.....	38	Waitress.....	7
Inspector.....	7	Police officer....	1	Watchmaker.....	1
Investigator.....	4	Polisher.....	5	Watchman.....	4
Iron worker.....	70	Porter.....	8	Welder.....	1
Janitor.....	33	Printer.....	62		

NATIVITY OF PERSONS ARRESTED

Albania.....	1	Italy.....	191
Armenia.....	9	India.....	1
Austria.....	3	Lithuania.....	61
Azores.....	8	Labrador.....	1
Belgium.....	4	Norway.....	6
Brazil.....	2	Panama.....	1
Bohemia.....	1	Poland.....	97
Canada.....	245	Portugal.....	81
China.....	5	Russia.....	143
Denmark.....	2	Roumania.....	1
England.....	29	Scotland.....	30
France.....	5	Sweden.....	25
Germany.....	9	Switzerland.....	2
Greece.....	40	Spain.....	4
Cuba.....	1	Turkey.....	3
Australia.....	1	United States.....	3,965
Bermuda.....	2	Wales.....	31
Ireland.....	388	West Indies.....	32

MISCELLANEOUS

Accidents.....	1,466	Defective street signs.....	46
Bicycles found and recovered....	45	Defective streets and sidewalks.	1,029
Buildings found open and secured.	610	Disturbances suppressed.....	165
Cases investigated.....	17,365	Dogs killed.....	114
Dangerous buildings.....	15	Fire alarms given.....	527
Dangerous chimneys.....	1	Fires extinguished without alarms	88
Dead bodies found.....	45	Intoxicated persons helped home.	3
Defective catch basins.....	56	Lost children restored.....	278
Defective drains and vaults.....	10	Sick and injured persons assisted	400
Defective bridges.....	1	Stray teams put up.....	2
Defective trees.....	78	Street obstructions removed.....	31
Defective fire alarms and clocks..	230	Summonses served.....	1,304
Defective gas pipes.....	7	Summonses served for out of town	1,629
Defective water pipes.....	162	Warrants served for arrest.....	951
Defective hydrants.....	29	Persons reported missing.....	723
Defective lamps.....	2,378	Persons restored.....	133
Defective wires.....	47		

AMBULANCE, WAGON, TELEPHONE AND SYSTEM DUTY CALLS

Months	Wagon Calls	Miles Run	Ambu- lance Runs	Miles Run	Tele- phone Calls	System Duty Calls
April.....	383	873-295	61	204-366	5992	38-028
May.....	407	885-312	63	224-030	6572	39-777
June.....	363	732-632	71	261-964	6290	37-114
July.....	412	826-017	90	281-202	5804	35-193
August.....	375	859-181	65	217-699	4967	32-229
September.....	345	705-219	57	195-913	6806	27-054
October.....	325	701-249	72	856-000	8493	34-652
November.....	351	668-790	61	250-050	6939	29-158
December.....	380	784-475	59	240-100	8540	36-109
Total.....	3341	7035-170	599	2731-304	60-403	309-314

REPORT OF THE VICE SQUAD
From April 1, 1931 to December 1, 1931

Raids.....	271
Mixed liquor seized.....	1,095
Liquors, gallons.....	339
Beer.....	723
Wine.....	33
Total number of gallons.....	1,095
Arrests made.....	242
Automobiles seized.....	9
Hand bags seized.....	14
Lottery tickets seized.....	1,702
Playing cards, packs seized.....	8
Stills.....	6
Slot machines.....	3
Fines paid.....	\$3,330
Cases pending on probation, etc.	68
Cases placed on file.....	45
Sentences served.....	2 years and 10 months
Reformatory for women.....	1
Superior Court fines paid.....	\$1,375
Superior Court sentences served.....	7 months
Cases on file.....	7
Cases pending.....	2

Respectfully submitted,

CHARLES H. PRESCHO,
Sergeant.

REPORT OF POLICEWOMAN

From April 1, 1931 to December 31, 1931

Cases investigated on account of complaints to police.....	49
Cases investigated on account of complaint to policewoman.....	173
Calls at homes in interest of women or children.....	138
Calls at homes for follow-up work.....	98
Visits to dance halls.....	168
Visits to theatres.....	45
Visits to shops.....	142
Number of times assisted City Physician.....	13
Psychopathic cases.....	5
Hospital cases.....	10
Clinic cases.....	24
Abused or neglected children investigated and cared for.....	56
Parents neglecting children.....	15
Cases referred to welfare or other agencies.....	16
Larceny cases.....	4
Shoplifters warned (adult).....	17
Shoplifters warned (children).....	24
Wives reporting trouble with husbands.....	10
Husbands reporting trouble with wives.....	7
Questionable persons investigated.....	129
Questionable houses investigated.....	4
Girls warned on streets regarding general behavior.....	130
Persons warned regarding behavior on streets.....	28
Persons warned regarding habits or behavior.....	82
Children warned regarding curfew law.....	37
Girls under age warned regarding attending dances.....	19
Men in automobiles warned regarding accosting women.....	129
Missing persons reported.....	28
Missing persons found.....	20
Indecent assault cases.....	2
Attempted rape cases.....	3
Rape.....	19
Conducting arrested women or girls from other cities to Cambridge.....	6
Arrests.....	25

Respectfully submitted,

J. EDITH TAYLOR,
Policewoman.

ANNUAL REPORT OF THE MATRONS
From April 1, 1931 to December 1, 1931

Arrests, women.....	123
Arrests, juveniles	33
Total arrests	155

CLASSIFICATION OF ARRESTS

WOMEN

Drunkenness.....	68	Safekeeping.....	3
Suspicious persons.....	2	Fornication.....	3
Stubbornness.....	2	Breaking glass.....	1
Present at gaming, etc.....	1	Idle and disorderly.....	2
Disturbing peace.....	16	Vagrant.....	1
Unnatural act.....	1	Abandonment.....	2
Possessing liquor.....	1	Lewd and lascivious.....	5
Disorderly house.....	4	Runaway.....	2
Adultery.....	2	Keeping and exposing liquor.....	1
Larceny.....	1	Driving under influence.....	1
Assault.....	1	Perjury.....	2

JUVENILES

Breaking and entering.....	10	Larceny.....	8
Violation of probation.....	3	Disturbing the peace.....	1
Safekeeping.....	5	Drunkenness.....	1
Stubbornness.....	2	Trespassing.....	3

Respectfully submitted,

MARY A. BARROWS,
MARY A. O'HEARN,
Matrons.

REPORT OF JOHN M. ACKERLY

Cambridge, Mass., January 1, 1932.

John J. McBride,
Chief of Police,
Cambridge, Mass.

Sir: I submit herewith my annual report of work performed in the Division of Domestic Relations for the period from April 1 to December 31, 1931. The total number of arrests during the year was 358.

The following table shows the crime classification of arrests:

Non-support.....	210	Abandonment.....	2
Violation of probation.....	78	Drunkenness.....	2
Bastardy.....	32	Lewd and lascivious.....	1
Assault and battery.....	14	Carnal abuse.....	1
Stubbornness.....	6	Larceny.....	1
Neglected children.....	6		
Neglect of children.....	3	Total.....	358
Failure to perform contract.....	2		

Of the number of persons arrested during the year, 270 are on probation. Included in the total number of arrests are 20 cases handled for other cities and towns, and 4 cases handled for other states.

To bring back offenders, we have made 12 trips outside the state, as follows:

New York City.....	4	Harrisburg, Penn.....	1
Yonkers, N. Y.....	1	Providence, R. I.....	1
Halifax, N. S.....	1	Hammond, Ind.....	1
Augusta, Maine.....	1	Waterville, Maine.....	1
Hartford, Conn.....	1		

One hundred trips were made to cities and towns outside Cambridge. Included in the total number of cases handled by this division are 61 cases known to the Board of Public Welfare.

The probation officers of the District and Superior Courts paid over to the City \$1,553.50 toward the support of families where the husband was committed to jail. One hundred and ninety cases have been investigated in which the domestic problems were satisfactorily adjusted without bringing the cases to the attention of the courts. Living outside the State are forty men who, after corresponding with this division, have acknowledged their responsibility and are voluntarily contributing to the support of their dependents.

The courts, including judges, clerks, and probation officers, have coöperated to the fullest extent, and I wish to express my appreciation of their helpfulness. I also wish to express my appreciation of the material help which I have received from the other members of the police department.

Respectfully yours,

JOHN M. ACKERLY,
In Charge of Division of Domestic Relations

TRAFFIC AND OTHER ACCIDENTS

	Apr.		May		June		July		Aug.		Sept.		Oct.		Nov.		Dec.		Total	
	Killed	Injured	Killed	Injured	Killed	Injured	Killed	Injured	Killed	Injured	Killed	Injured	Killed	Injured	Killed	Injured	Killed	Injured	Killed	Injured
Automobile.....	3	131	1	140	4	166	3	123		117		120	3	127		154		141	17	1,219
Bicycles.....						2	3							1						6
Motorcycle.....		1																		1
Horse vehicles.....				1																1
Street cars.....				1												1				5
Steam railroad.....																	1			1
Crossings.....																				3
Other causes.....	4	31	3	29	2	50		22	3	24	1	22	2	38	1	27	2	21	18	264
Total killed.....	7	166	4	171	6	218	3	148	3	141	1	145	5	166	1	182	5	163	35	
Total injured.....																				1,500

RECAPITULATION

Total killed.....	35
Total injured.....	1,500

REPORT OF THE DIRECTOR OF SAFETY, 1931

January 28, 1932.

Mr. John J. McBride,
Chief of Police,
Cambridge, Mass.

I hereby submit my annual report for the year 1931. During the summer of the past year and with the re-opening of schools, I was unable to attend to the supervision of the Safety Patrol organization and maintenance. It was therefore with a feeling of profound gratitude toward the playground supervisors and schoolmasters and teachers, when on returning to duty, to receive reports from the safety patrol leaders at the various schools, assuring me that the safety program, policies and principles, operating chiefly through the safety patrols, were functioning properly. At this point, I wish to thank the supervisors, masters and teachers for their encouraging coöperation and good will in enabling the maintenance of my work in my absence.

Because of my disability, my report must cover but a very short period. Somewhat in retrospect, however, I want to record the visit to our city of Mr. Morgan T. Ryan, the Registrar of Motor Vehicles. On Saturday morning, November 28, Mr. Ryan was the speaker at Safety Rallies conducted at the Central Square and Harvard Theaters. At these twenty-two minute moving picture presentations of safety lessons on our highways for our children, with the coöperation of the moving picture industry, I inaugurated this novelty in the City of Cambridge and will continue it at fitting intervals, coincident with the development of new ideas in pictures during the coming year. Mr. Ryan inspected and lauded the safety patrols which were on duty at these theaters and will be on duty every Saturday to protect and instruct the smaller children crossing the streets in the vicinity of these theaters. To stimulate and maintain the interest of the children, and especially of the boys, who are doing such excellent work in the safety patrols, the *Cambridge Chronicle* has generously allotted a weekly column for the publication of school safety slogans, safety patrol news and a weekly acrostic, which will be the safety slogan of a particular school or a particular patrol. To further this stimulation, since competition increases coöperation,

I intend this year to award the patrol with the best record a Safety Loving Cup.

Mr. Ryan heartily endorsed the mimeographed publications of precautionary bulletins, containing safety rules and slogans. These are issued at fitting intervals and are familiar to all, teachers and children alike. I have already issued one since my return to active duty. Since trucks cause so many injuries to our school children, I also intend to continue my habit of visiting the various trucking concerns of our City and caution them for the welfare of the children. This tends to uproot the evil at its source and produce an active and personal interest in them to coöperate with us in removing this element of danger effectively. I wish to thank you for the helpful suggestions and kindnesses during the past year.

Respectfully submitted,

PATROLMAN PATRICK F. SHEA.

ANNUAL REPORT OF THE INSPECTOR'S OFFICE

From April 1, 1931 to December 31, 1931

HOUSING COMMISSION REPORT

Accident cases investigated.....	101	
Claims against City investigated.....	132	
Corporation charters investigated.....	15	
Police applicants investigated.....	55	
Jurors investigated.....	70	
Sign permits investigated.....	24	
Special investigations.....	19	
Pictures and measurements in fatal accidents cases.....	9	
Pictures and measurements in City accidents.....	30	
Autopsies attended.....	3	
Inquests attended.....	10	
Rent complaints investigated.....	20	
Money collected from damage to City property.....	\$283	34
Property recovered.....	\$1,920	00
Arrests made.....	5	

FINGERPRINT BUREAU REPORT

Investigations made.....	197	
Arrests made.....	40	
Property recovered.....	\$1,197	00
Fingerprints taken of applicants for taxi licenses.....	73	
Fingerprints taken of prisoners (sets of four).....	101	
Fingerprints taken and sent to Department of Justice.....	101	
Fingerprints taken and sent to Boston Police Bureau.....	101	
Fingerprints taken and sent to State Bureau.....	101	
Photographs taken of prisoners.....	99	

REPORT OF INSPECTOR IN CHARGE OF PAWNSHOPS

Investigations made.....	251	
Visits made to pawnshops.....	685	
Property recovered.....	\$12,692	00
Arrests made.....	17	

REPORT OF AUTOMOBILE BUREAU

Automobiles stolen in Cambridge.....	742	
Automobiles recovered stolen in Cambridge.....	739	
Automobiles recovered stolen in other cities.....	217	
Investigations made.....	265	
Arrests made.....	35	
Property recovered.....	\$15,540	00
Auction sales held.....	1	

RECAPITULATION

Investigations made.....	742	
Arrests made.....	245	
Value of property recovered.....	\$34,817	30

Respectfully submitted,

PATRICK J. HURLEY, *Chief Inspector.*

SALARIES AND GENERAL EXPENSES

For the Year Ending December 31, 1931

A-1	Salaries.....	\$423,461 51
B-1	Printing and binding.....	24 50
B-2	Postage.....	100 00
B-3	Advertising and printing (posting).....	14 63
B-4	Transportation.....	67 15
B-8	Light and Power.....	1,060 73
B-10	Storage.....	309 50
B-13	Communication.....	2,252 69
B-14	Motor vehicle repairs and care.....	1,506 22
B-35	Fees service and venire, etc.....	7 50
B-37	Photographing and blueprinting.....	5 45
B-39	General plant.....	1,275 11
C-4	Automobiles.....	570 00
C-7	Furniture and fittings.....	
C-9	Office equipment.....	246 50
C-13	Tools and instruments.....	69 00
C-16	Wearing apparel.....	5,343 73
C-18	Regalia.....	98 03
D-1	Office supplies.....	1,597 35
D-2	Food and ice.....	130 19
D-8	Laundry, etc.....	68 30
D-11	Motor vehicle supplies.....	2,989 18
D-16	General plant.....	236 39

RECOMMENDATIONS

I again recommend that the Police Ford cars which are old and practically useless be replaced by five new sedans equipped with radio receiving sets. This would without doubt greatly increase the efficiency of the Police Department. I also further urge the erection of a new police headquarters equipped with radio receiving and transmitting apparatus.

I want to take this opportunity to thank his Honor the Mayor, members of the City Council, the District Attorney and his staff, Judge Stone and his associates, the Clerk of the Third District Court (Mr. Forbes) and his assistants for the kind coöperation throughout the year.

Respectfully submitted,

JOHN J. McBRIDE,
Chief of Police.

ANNUAL REPORT OF THE SEALER OF WEIGHTS AND MEASURES

Cambridge, Mass., March 25, 1932.

To the Honorable City Council:

In compliance with the City Ordinance, I respectfully submit a report of the Department of Weights and Measures for the year ending December 31, 1931.

Appropriation \$8,256 00

Expended

Salaries:

Felix C. McBride	\$2,475 00	
Joseph O'Neil	1,875 00	
James J. Lynch	1,605 00	
Edward W. Barker	1,605 00	
		\$7,560 00

Standard Oil Co., supplies	\$69 57	
John F. Fits Supply Co.	13 44	
Harvard Automobile Co., repairs	76 77	
McSorley Brothers, supplies	71 53	
Stingel Hardware, supplies	9 98	
Boston Janitor Supply Co.	31 12	
N. E. Telephone and Telegraph Co., service	27 15	
Sears, Roebuck & Co., supplies	2 45	
Felix McBride, register and stamps	11 00	
Misses Littlefield, copying	1 90	
C. E. Fay, repairs	110 81	
Curry Motor Sales Co., repairs	40 90	
Boston Elevated, tickets	10 00	
Sexton Can Co.	54 57	
The Murray Printing Company	11 00	
Harvard Service Station, repairs	4 00	
		546 19

Total	\$8,106 19
Amount unexpended	\$149 81

Revenue:

Fees for sealing	\$1,418 17
Fees for adjusting	105 80

Total amount collected	\$1,523 97
Total amount expended	8,106 19
Total amount collected	1,523 97

Net expenses of department	\$6,582 22
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TESTS MADE FOR YEAR ENDING MARCH 31, 1931

Vehicle tank wagon compartments sealed	325
Scales sealed	3,420
Scales adjusted	289
Scales condemned	130
Counter sealer sealed	2,150
Spring sealer sealed	1,899
Personal sealer sealed	120
Liquid measurer sealed	1 678
Liquid measurer adjusted	52
Liquid measurer condemned	82
Vehicle tank wagon sealed	118
Gasoline pumps sealed	480
Stops on pumps sealed	1,824
Yard measurer sealed	230
Cloth measurer sealed	26
Weights sealed	7,128
Weights condemned	105
Weights adjusted	86
25-pound bags of coal tested	5,280
Tests made in stores	3,040
Tests made on street	1,582
Berry boxes tested	1,188
Total number of tests made	31,242

STANDARDS FURNISHED BY THE COMMONWEALTH

- 1 balance 5 grains to 100 pounds.
- 1 set (5) avoirdupois weights 50 pounds, 25 pounds, 10 pounds, 5 pounds.
- 1 set (11) avoirdupois weights, 4 pounds to 1-16 ounce.
- 1 kilogramme in case.
- 1 steel meter in case.
- 1 brass yard measure.
- 1 set (5) iron dry measures, $\frac{1}{2}$ bushel to 1 quart.
- 1 set (6) iron liquid measures, 1 gallon to 1 gill.

CITY OF CAMBRIDGE PROPERTY

- 1 roll top desk.
- 1 black walnut desk.
- 5 chairs.
- 1 table.
- 1 scale cabinet.
- 2 benches.
- 1 sink.
- 1 set revised laws
- 1 set card records, oak case.
- 1 set card index, oak case.
- 1 hectograph.
- 1 letter press.

Miscellaneous books	\$200 00
1 plush robe	6 00
1 platform scale, $\frac{1}{2}$ pound to 2,500 pounds	75 00
1 balance scale	88 69
1 folding platform scale, $\frac{1}{2}$ pound to 600 pounds	30 00
1 balance, 1/10 millegram to 500 grammes	35 00

1 balance, 1/50 grain to 1/2 pound.....	\$15 00
1 sealer's balance, 1 grain to 100 pounds.....	150 00
2 leather tool bags	9 50
1 sealer's balance, 1 grain to 8 pounds	50 00
2 sealer's trip scales.....	5 00
1 spring scale, 1 pound to 125 pounds.....	1 00
2 sets (19) avoirdupois weights, 4 pounds to 1/8 ounce.....	10 00
1 set (9) troy weights, 16 ounces to 1 ounce.....	3 00
1 set (13) metric weights, 1 kilo to 1 gramme.....	5 00
5 boxes miscellaneous weights (not standards).....	10 00
1 set (3) iron weights, 25 pounds, 10 pounds, 5 pounds.....	5 00
40-50 pound weights	100 00
1 arch.....	2 00
3 glass graduates.....	1 00
1 set (21) grain weights, 1,000 grammes to 1/1,000 gramme.....	13 50
1 set (21) metric weights, 50 grammes to 1/10 gramme.....	13 50
1 set (5) copper dry measures, 1/2 bushel to 1 quart.....	45 00
1 set (3) brass dry measures, 1 quart to 1/2 pint.....	5 00
2 sets (14) copper liquid measures, 1 gallon to 1 gill.....	30 00
1 yard measure.....	1 50
1 iron truck.....	5 00
1-5 gallon copper measure.....	15 00
1 steel tape.....	10 00
1 pair inside calipers.....	3 50
1 set brands.....	3 00
1 plumber's furnace.....	5 00
Miscellaneous tools.....	50 00
3 record books.....	15 00
1 Ford automobile, 1 Chrysler.....	1,074 19
Total.....	\$2,090 58

Respectfully submitted,

FELIX C. McBRIDE,
Sealer of Weights and Measures.

REPORT OF SUPERINTENDENT OF PUBLIC BUILDINGS

Cambridge, Mass., January 29, 1932.

To His Honor the Mayor:

In accordance with the revised ordinances of this City, I transmit herewith the annual report of the Building Department for the year ending December 31, 1931.

INSPECTION OF BUILDINGS

Number of applications received and permits granted.....	769
Number of inspections of buildings.....	15,620
Number of violations.....	201

INSPECTION OF GAS FITTING

Number of applications received and permits granted.....	1,560
Number of inspections and tests.....	3,426
Number of violations.....	14

INSPECTION OF PLUMBING

Number of applications received and permits granted.....	301
Number of inspections and tests.....	2,152
Number of violations.....	14

INSPECTION OF ELEVATORS

Number of applications received and permits granted.....	28
Number of inspections and tests.....	751
Number of violations.....	76

Yours respectfully,

JOHN J. TERRY,
Superintendent of Public Buildings.

CLASSIFICATION OF STRUCTURES, 1931

NEW NON-RESIDENTIAL BUILDINGS	JANUARY		FEBRUARY		MARCH		APRIL		MAY		JUNE	
	No. of Bldgs.	Estimated Cost	No. of Bldgs.	Estimated Cost	No. of Bldgs.	Estimated Cost	No. of Bldgs.	Estimated Cost	No. of Bldgs.	Estimated Cost	No. of Bldgs.	Estimated Cost
Amusement and recreation places.....												
Churches.....			1	\$44,559					1	\$49,000		
Factories, bakeries, ice plants, laundries, and other workshops.....			2	17,000					1	45,000	1	\$3,500
Garages, public.....			1	850	8	\$5,050	12	\$7,110	11	6,050	9	6,230
Garages, private.....		\$100			3	3,200						
Gasoline and service stations.....												
Institutional buildings.....												
Office buildings, including banks.....	1	20,000										
Public buildings.....												
Public works and utilities.....												
Schools.....									1	116,000		
Sheds, poultry houses, etc.....					1	5,200	1	1,200	3	5,600	3	2,650
Storage warehouses, etc.....												
Stores, restaurants, etc.....									1	30,000		
All other non-residential (signal tower).....												
Totals.....	2	\$20,400	4	\$62,409	12	\$13,450	13	\$8,310	18	\$251,650	13	\$12,380

NEW RESIDENTIAL BUILDINGS 1931	JANUARY		FEBRUARY		MARCH		APRIL		MAY		JUNE	
	No. of Bldgs.	Estimated Cost	No. of Bldgs.	Estimated Cost	No. of Bldgs.	Estimated Cost	No. of Bldgs.	Estimated Cost	No. of Bldgs.	Estimated Cost	No. of Bldgs.	Estimated Cost
Housekeeping dwellings (one family).....			1	\$4,000	1	\$15,750	4	\$12,400			2	\$40,000
Two-family dwellings.....	2	\$26,500	1	8,000	3	25,500	6	62,000	1	\$10,000	5	42,500
Multi-family dwellings (three or more families).....	2	300,000	1		6		1	60,000	1	100,000		
Non-housekeeping dwellings (lodging houses).....												
Total new residential buildings.....	4	\$326,500	2	\$12,000	4	\$41,250	11	\$134,400	2	\$110,000	7	\$85,500
							29		2			12

CLASSIFICATION OF STRUCTURES, 1931 (Continued)

ADDITIONS, ALTERATIONS AND REPAIRS, 1931	JANUARY		FEBRUARY		MARCH		APRIL		MAY		JUNE	
	No. of Bldgs.	Estimated Cost	No. of Bldgs.	Estimated Cost	No. of Bldgs.	Estimated Cost	No. of Bldgs.	Estimated Cost	No. of Bldgs.	Estimated Cost	No. of Bldgs.	Estimated Cost
On residential buildings:												
Housekeeping dwellings, all kinds.....	5	\$4,350	17	\$8,145	36	\$236,835	29	\$31,825	40	\$20,835	40	\$99,960
On non-residential buildings.....	11	24,875	13	4,965	27	40,225	11	8,415	10	64,550	15	35,593
Total additions, alterations and repairs.....	16	\$29,225	30	\$13,110	63	\$277,060	40	\$40,240	50	\$85,385	55	\$135,553

ADDITIONS, ALTERATIONS AND REPAIRS 1931	JULY		AUGUST		SEPTEMBER		OCTOBER		NOVEMBER		DECEMBER		TOTALS	
	No. of Bldgs.	Estimated Cost	No. of Bldgs.	Estimated Cost	No. of Bldgs.	Estimated Cost	No. of Bldgs.	Estimated Cost	No. of Bldgs.	Estimated Cost	No. of Bldgs.	Estimated Cost	No. of Bldgs.	Estimated Cost
On residential buildings:														
Housekeeping dwellings, all kinds.....	28	\$9,930	31	\$21,130	25	\$7,360	21	\$7,300	19	\$14,147	13	\$6,745	304	\$468,562
On non-residential buildings.....	13	9,835	14	9,405	12	27,865	15	11,651	14	23,600	7	2,205	162	263,184
Total additions, alterations and repairs.....	41	\$19,765	45	\$30,535	37	\$35,225	36	\$18,951	33	\$37,747	20	\$8,950	466	\$731,746

SIXTY-FIFTH ANNUAL REPORT OF THE CITY ENGINEER

1931

To the Honorable City Council:

The City Engineer hereby submits his annual report, being the sixty-fifth of the Department, showing the operation and expenditures of the Engineering and Sewer Departments for nine months ending December 31, 1931.

A brief summary of the work of the Engineering and Sewer Departments for the period of nine months is as follows:

FOR HIGHWAY DEPARTMENT

Number of surveys made.....	8
Number of street lines given.....	75
Number of grades given.....	160
Number of streets on which paving, curbs, etc., were measured.....	48
Number of assessments prepared.....	124
Number of plans and profiles prepared.....	20

FOR SEWER DEPARTMENT

Number of surveys made.....	5
Number of lines given.....	50
Number of grades given.....	70
Number of sewers measured.....	3
Number of plans and profiles prepared.....	3
Number of photographic negatives made.....	12

FOR WATER DEPARTMENT

Number of lines given.....	20
Number of surveys made.....	40
Number of grades given.....	40
Number of plans and profiled prepared.....	72
Number of photographic negatives made.....	26

FOR LAW DEPARTMENT

Number of surveys made.....	49
Number of plans prepared.....	12
Number of photographic negatives made.....	66

FOR PARK DEPARTMENT

Number of surveys made.....	2
Number of lines given.....	8
Number of grades given.....	18
Number of photographic negatives made.....	8

FOR CEMETERY DEPARTMENT

Number of surveys made.....	0
Number of lines given.....	1
Number of grades given.....	2
Number of plans and profiles prepared.....	0

FOR MISCELLANEOUS WORK

Number of circuit bench levels.....	1
Number of houses measured.....	326
Number of plans, profiles, tracings, etc., prepared.....	25
Number of surveys made.....	3
Number of lines given.....	190
Number of grades given.....	60
Number of photographic negatives made.....	57

There are on file in this office 14,693 plans.

FINANCIAL
Engineering Department
SALARIES

Appropriation.....	\$17,769 94
Expended.....	14,239 86
Balance.....	\$ 3,530 08

GENERAL EXPENSE

Appropriation.....	\$1,540 00
Expended.....	1,508 83
Balance.....	\$31 17

In addition to and including the above amounts charged to salaries of assistants, there has been expended and charged to the Department as follows:

To Assessors' Plans.....	\$675 50
To Sewer Department.....	1,901 75
To Water Department.....	9,272 57
To salary of City Engineering.....	3,525 00
To salaries of assistants.....	10,714 86
Total.....	\$26,089 68

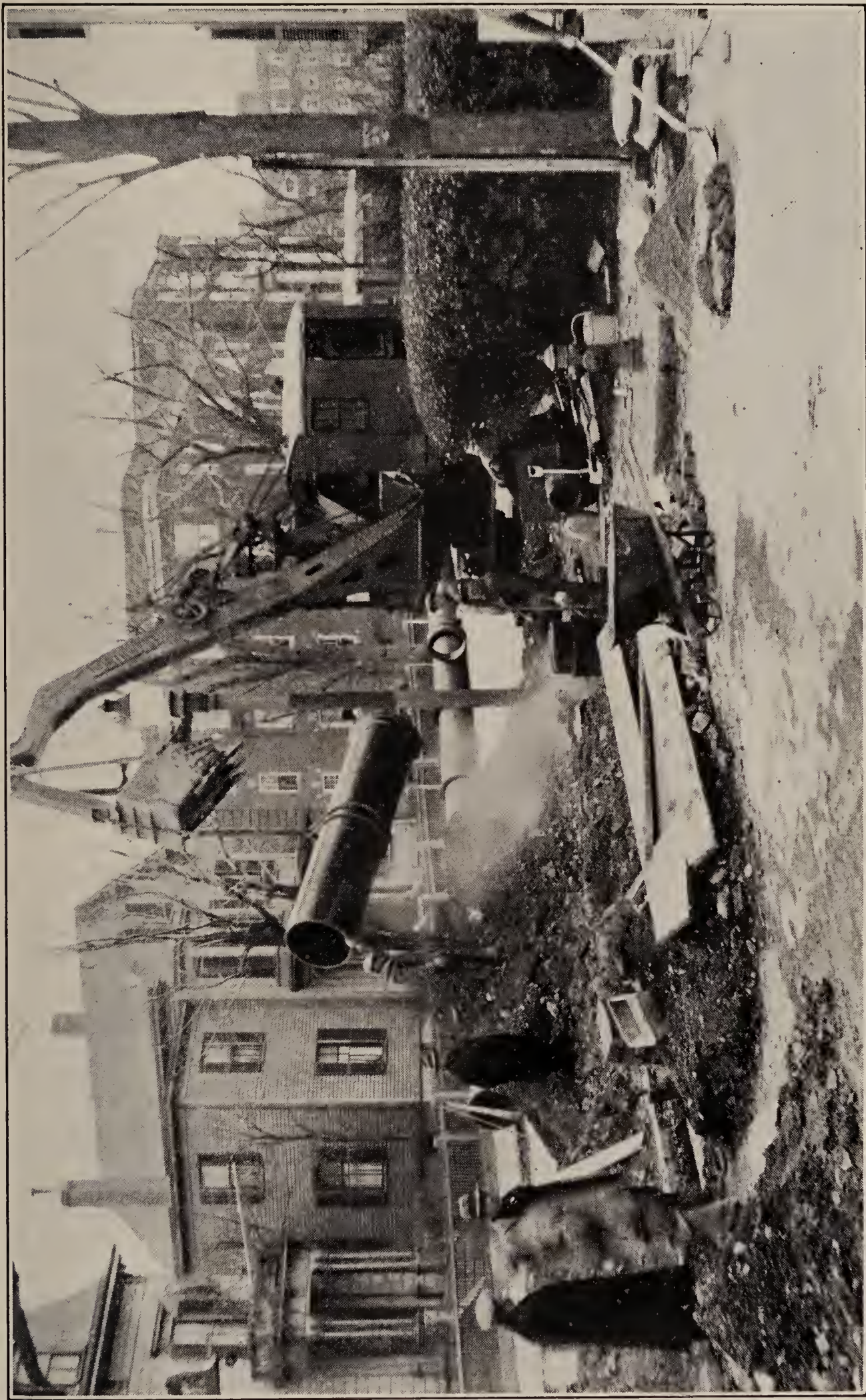
CLASSIFICATION OF SALARIES OF ASSISTANTS

Accidents: surveys, plans, and court attendance for Law Department	\$680 10
Accounts: bookkeeping and clerical work.....	1,399 00
Assessors' Plans: surveys, measurements, and work on block plans for Assessors' Department.....	1,421 83
Bridges: surveys, plans, examinations and estimates.....	181 47
Cemetery: surveys, measurements and plans setting out lots at Cambridge Cemetery.....	56 00
Highways: surveys, levels, plans, titles, estimates, measurements and assessments for Highway Department, also lines and grades given for private parties.....	2,532 70
Miscellaneous: unclassified work for committees and departments, vacations and sickness.....	3,432 74
Parks: surveys, lines, grades, plans and estimates for Park Department	307 50
Sewers: lines, grades, plans, estimates, accounts, measurements and assessments for Sewer Department.....	3,118 57
Water Works: surveys, lines, grades, plans and estimates for Water Works Department.....	10,055 27
Total.....	\$23,185 18

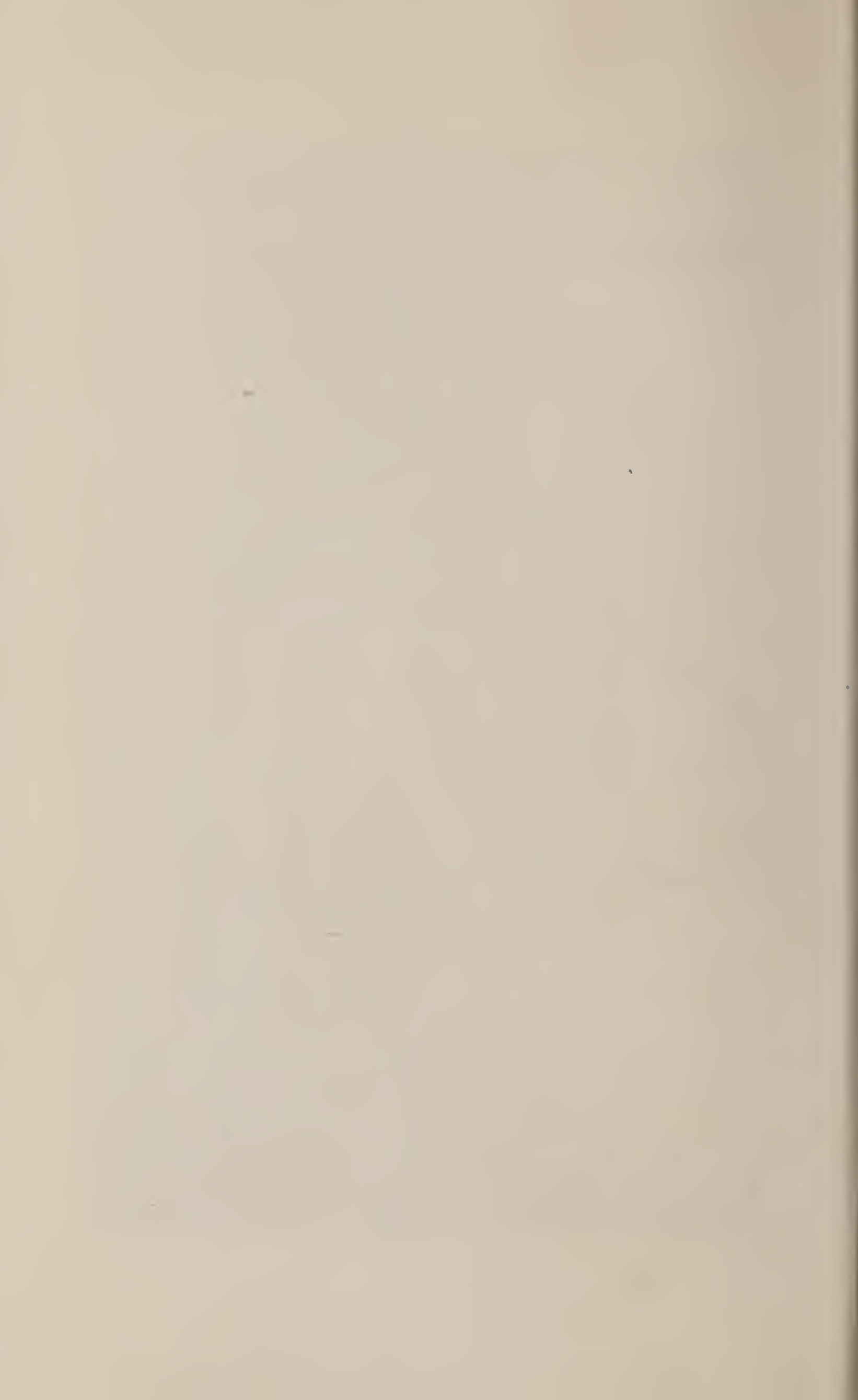
STREETS LAID OUT AND ACCEPTED FROM APRIL 1, 1931 TO DECEMBER 31, 1931

LOCATION OF STREET				PLAN		
Street	From	To	Length in Feet	Width in Feet	Made by	Date Date of Acceptance
Winslow Street	Oliver Street Cambridge Street Extension	Southwesterly	100	30	W. A. Mason & Son City Engineer City Engineer	July 2, 1931
Hovey Avenue		Northerly	575	40		Nov. 25, 1885 July 15, 1931
Hovey Avenue		Magnolia Ave.	179	40		Feb. 19, 1931 Oct. 22, 1931
		Total.....	855	10		

Length of accepted streets, March 31, 1931..... 113.957 miles
Accepted in 1931..... .160 miles
Discontinued in 1931..... .000 miles
Total length of accepted streets December 31, 1931 114.117 miles
Total length of unaccepted streets December 31, 1931 ... 14.213 miles
Total mileage open for travel..... 128.330 miles



BROADWAY AND DANA STREET, DECEMBER 1, 1931



STATISTICS OF THE PAVEMENTS LAID IN THE CITY TO DECEMBER 31, 1931 ARE AS FOLLOWS:

Kind	Length in Miles			Area in Square Yards		
	Laid in 1931	Removed in 1931	To Date	Laid in 1931	Removed in 1931	To Date
Granite block.....	0.151	.....	13.992	2,364	.....	349,502
Vitrified brick.....	.....	0.285	0.094	.....	5,587	2,444
Wood block.....	.....	.....	.....	.....	.....	.....
Bitulithic.....	2.330	0.331	38.232	46,373	5,172	761,089
Concrete.....	0.331	.....	1.534	5,172	.....	26,665
Tar macadam.....	0.655	2.558	32.294	10,077	48,764	510,174
Macadam.....	.....	.....	41.049	.....	.....	186,456
Asphalt.....	0.835	.....	1.135	13,192	.....	19,688
Totals.....	4.302	3.174	128,330	77,178	59,523	1,856,018

CITY BRIDGES

The annual inspection of the City bridges was made and the following is a report of their present condition.

Wellington Bridge, over Wellington Brook at Blanchard Road. This bridge is in good condition with the exception of the fence, which needs repairing.

Huron Avenue Bridge, at Fountain Terrace. The steel work needs painting, and clay should be cleaned away from the steel columns where they rest on the granite base.

Huron Avenue Bridge, at Watertown branch (Boston and Maine) Railroad. The bridge is in good condition. The steel work at the pedestals should be cleaned and painted and the clay kept away from them.

Walden Street Bridge, over Boston and Maine Railroad (Fitchburg Division). The underside of the concrete floor of this bridge needs patching in several places where the steel reinforcement is exposed. The gunite covering of the main girders should be repaired.

Sixth Street Bridge, over Broad Canal. This bridge is in good condition with the exception of the locks, which cannot be operated. The four (4) dolphins are also in very poor condition and should be rebuilt.

Third Street Bridge, over Broad Canal. This bridge is in good condition. The pinion gear on the northerly side is loose and has moved to one side and should be fixed at once. The dolphins at the corners of the draw opening should be renewed.

First Street Bridge, over Broad Canal. The draw of this bridge was overhauled the past season and thoroughly repaired and is now in good condition. The rest of the bridge is in fairly good condition. The traffic gates are out of commission and should be repaired at once.

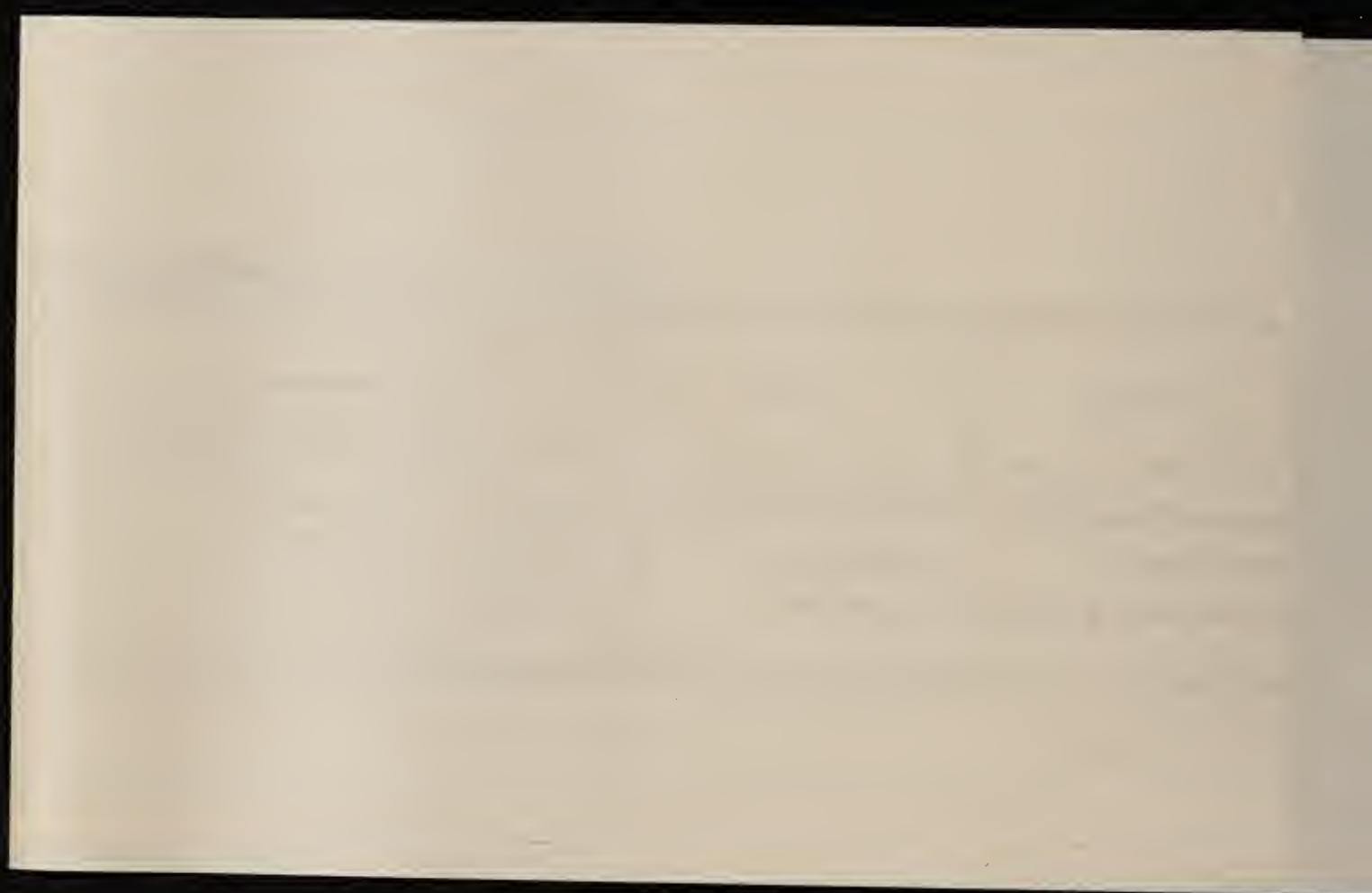
Commercial Avenue Bridge, over Lechmere Canal. This bridge is in good condition.

MOSQUITO SUPPRESSION

The mosquito suppression work this year was done in conjunction with similar work by the neighboring towns of Belmont and Watertown, through the medium of the "Massachusetts State Reclamation Board" who exercised a general supervision

SEWERS CONSTRUCTED APRIL 1, 1931 TO JANUARY 1, 1932.

Street	From	To	Material	Size in Inches			Number of			Av. Depth in Feet	Length in Feet			Cost		Time when work was	
				Combined	Storm	Sanitary	Manholes	Lamp-holes	Inlets		Combined	Storm	Sanitary	Per Foot	Total	Begun	Finished
Sherman Street Outlet	West of Sherman Street	Easterly	Concrete Pipe	.....	63x108	.....	.....	.....	.....	10.5	.....	.....	.....	.....	.....	1926	Not complete
Sidney Street	Allston Street	Southerly	Akron Pipe	12	.....	.....	1	.....	18	7.5	258.1	.....	.....	8.92	2,303.92	Aug. 17, 1931	Sept. 5, 1931
Stearns Street Extension	Esten Street	Northerly	Akron Pipe	8	.....	.....	.....	1	4	8	62.7	.....	.....	9.89	620.21	June 11, 1931	June 15, 1931



of the work of the three municipalities mentioned and also acted as financial agent in keeping control of the expenditures of the three municipalities.

The usual program was carried out in the season from July 29, 1931, to September 6, 1931, inclusive. The street catch basins, 2625 in number, were oiled as needed and the breeding places were watched and kept sterile from wigglers. The total amount appropriated for the work in Cambridge was \$1,648.92.

EXPENDED

Labor.....	\$1,458 25
Gasoline.....	29 65
Mosquito oil	94 07
Miscellaneous.....	55 82
Office expense (State).....	11 13
Total.....	<u>\$1,648 92</u>

ASSESSORS' BLOCK PLANS

The work of making the new set of block plans for the Assessors' Department was continued during the past nine months. Twenty-six sheets were newly drawn, printed and the prints turned over to the Assessors' Department. One hundred ninety-six (196) sheets have been completed to date. The amount expended during the past nine months for this work was \$749.50.

Appropriation.....		\$900 00
Expended for salaries.....	\$675 50	
Expended for materials and printing.....	74 00	749 50
Balance.....		<u>\$150 50</u>

SEWER CONSTRUCTION

The principal item of sewer construction has been in continuing the work on the "Sherman Street District Outlet Sewer," referred to in the annual report for the year 1931.

To January, 1932, 2,745 feet of this sewer had been constructed, including the 845 feet of open ditch construction leading to Alewife Brook. There remains about three hundred (300) feet more of the main trunk sewer to be constructed to connect it with the old trunk sewer in Sherman Street.

This connection will greatly increase the efficiency of the drainage facilities in this westerly portion of the district. To

obtain the full benefit, however, the new main sewer will have to be continued easterly to near the junction of Richdale Avenue and Walden Street, a further distance of about 3,000 feet.

GENERAL SEWER CONSTRUCTION

The total length of sewers constructed during the year was 0.062 miles, making a total mileage in the City of 178.075 miles. The total length of streets newly sewered during the year was 0.08 miles, making a total mileage of streets sewered with one or more conduits 129.128 miles.

There are 111,554 miles of combined sewers in the City, 46,967 miles of sanitary sewers and 19.554 miles of storm sewers, making a total of 178.075 miles.

STREET CATCH BASINS

The total number of catch basins in the City is now 2,617.

Catch basins with wooden covers.....	247
Catch basins with sidewalk flaggings.....	1076
Catch basins with cast-iron "D" frames.....	1226
Catch basins with miscellaneous covers.....	68

Nineteen new catch basins have been built during the year, of which number two were replacements, leaving seventeen basins built at a cost of \$2,774.54.

Fifty-seven catch basins have been repaired during the year at a cost of \$2,466.75.

Twelve hundred ninety-seven cubic yards of material have been removed from 811 catch basins during the year at a cost of \$5,277.48.

Seventeen persons have been licensed during the year as drain layers.

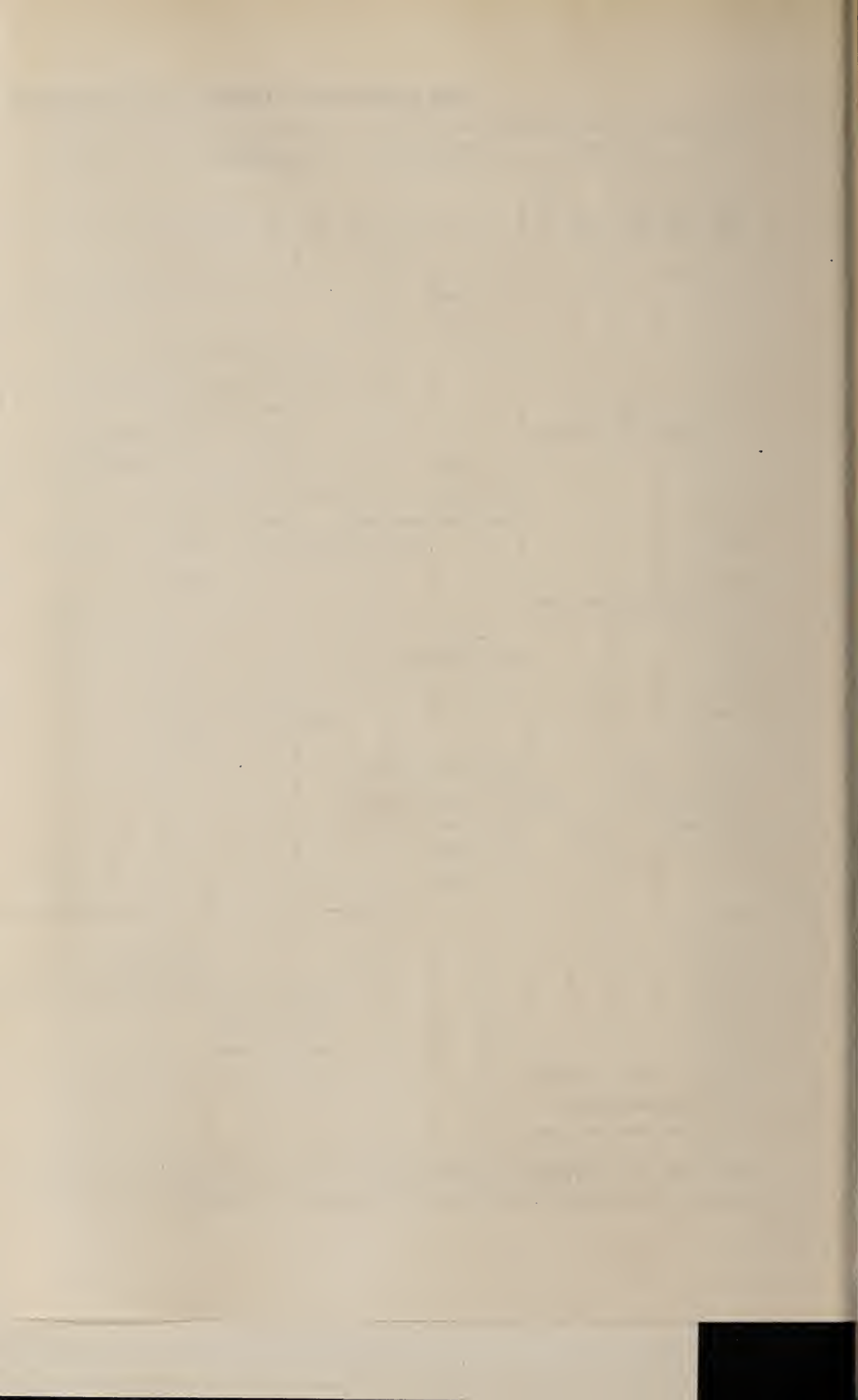
Permits have been granted for private drain connections or repairs as follows:

For connection to sanitary sewers.....	36
For connection to combined sewers.....	36
For connection to storm sewers.....	9
For repairs.....	41
Total.....	122

a total number of 81 permits for connections and 41 for repairs.

TABLE SHOWING RAINFALL AT STONY BROOK BASIN AT WESTON, AT HOBBS BROOK BASIN IN WALTHAM, AT CITY HALL, CAMBRIDGE, AND AT CONCORD, FOR 1931

	JANUARY				FEBRUARY				MARCH				APRIL				MAY				JUNE				JULY				AUGUST				SEPTEMBER				OCTOBER				NOVEMBER				DECEMBER										
Day of Month	Stony Brook	Hobbs Brook	City Hall	Concord	S. B.	H. B.	C. H.	Con.	S. B.	H. B.	C. H.	Con.	S. B.	H. B.	C. H.	Con.	S. B.	H. B.	C. H.	Con.	S. B.	H. B.	C. H.	Con.	S. B.	H. B.	C. H.	Con.	S. B.	H. B.	C. H.	Con.	S. B.	H. B.	C. H.	Con.	S. B.	H. B.	C. H.	Con.	S. B.	H. B.	C. H.	Con.	Day of Month										
1						0.04							0.59	0.59	0.56	0.48					0.31		0.10	0.51				T																		1									
2						T		0.02								0.05	0.01	0.02		0.01	0.02	0.04							0.06				0.27	0.25	0.50	T						T	T			2									
3									0.11	0.22	0.03	0.03								0.01									0.13	0.27	0.30	0.28	0.08	0.11		0.37				0.02	0.02	0.02	T					3							
4								T	0.83	0.55	0.59	0.56	0.28	0.25	0.28	0.22																							0.02			T		0.80	0.84	1.63	0.75	4							
5	1.10	1.08	1.10							0.01	0.15	0.33																								0.03		0.03									0.14	5							
6	0.06	0.06	0.20	1.32						0.04		0.01	0.02	0.02											1.00	0.80	1.05	0.93																		0.01	6								
7						0.09				T			0.59	0.62	0.49	0.48				T	0.19	0.17	0.40	0.26	1.24	0.26	0.12	0.07																		0.03	7								
8					0.27	0.18		0.30	2.45	2.41	1.90	1.53				0.16	1.15	1.01	1.40	0.73	0.60	0.47	0.12	0.05	0.02	0.02	0.05	0.07																				8							
9					1.08	0.57	0.58	0.27		0.02		0.93								0.32	3.60	3.25	3.80	1.64	0.34	0.02																							9						
10							0.12	0.39	0.04	0.04		0.03		T			0.46	0.46	0.15	0.03	0.71	0.60	0.68	2.20		0.17	0.15	0.37	0.04	0.04																		0.26	10						
11								T				0.04							0.40	0.51	0.22	0.10	0.30	0.29			0.05	0.17	0.70	0.71		0.01															0.21	11							
12	0.77	0.77	0.86	0.57													0.25	0.25			0.08	0.03		0.45				T	1.57	1.62	1.85	2.13																T	12						
13						0.21											0.40	0.40	0.50	0.32																0.15	0.03	0.03										0.37	13						
14					0.23	0.02	0.16	0.11				T					0.45	0.45	0.75	0.81					0.18	0.32	0.05	0.05	0.08				0.15	0.03	0.03		0.26	0.46	0.20	T					0.42	0.23	0.65	0.28	14						
15										T		T								0.05	1.77	1.34	1.70		0.04	0.06		T	0.15	0.27		0.15	0.44	0.75	0.40	0.07	0.56	0.52	0.50	0.46		0.51	0.51	0.03	0.19					15					
16									0.06	0.05	0.10	0.05				T				0.01	0.38	0.37	1.15	0.74										0.08				0.69			0.47	0.42	0.02	0.02	0.61					16					
17										T		0.01									0.14	0.22	0.35	0.77												0.02			0.07				0.05						0.03	17					
18		0.07				0.53	0.51	1.78	0.71																																							0.03	18						
19	1.81	0.83		0.89	0.79	0.40	0.68	0.28																						0.16	0.12	0.28	0.10																0.03	0.14	0.14	T	19		
20	0.21		0.88			0.50	0.45	0.18	0.23																																									0.10	20				
21						0.04	0.06											0.05	0.09	0.45	T					0.03	0.12	0.18	0.02																					0.02	21				
22							0.02											0.09	0.05							0.03	0.01		0.05																						22				
23								0.02					0.07	0.10	0.10	0.06	0.38	0.38	0.25	0.49	0.23	0.26	0.17	0.18																												0.25	23		
24																										0.09		0.25	0.04	0.08	0.02																					24			
25												0.03	0.05					0.05	0.05		T																															25			
26									0.86	0.64	0.50	0.58	1.78	1.24	1.40	1.18				0.04	0.14	0.03	0.22	0.02																												0.02	26		
27									0.02	0.04	0.35											0.02	0.02																													27			
28									0.80	0.67	0.03																																										28		
29		0.12	0.10	0.17					0.78	0.80	1.22	1.29	0.03	0.03	0.05	0.02									0.08	0.18		T	0.08	0.10																									29
30	0.09	0.60	0.30															0.04																																			30		
31	0.58	0.04	1.00	0.68													0.03	0.55	0.20	0.02																																31			
Total	4.62	3.57	4.44	3.63	3.44	2.55	3.50	2.33	5.95	5.49	4.87	5.42	3.41	2.85	2.88	2.67	3.32	3.75	4.10	3.35	8.41	6.90	8.99	7.11	3.05	1.96	1.90	1.77	4.91	5.17	4.93	4.92	1.46	1.77	1.05	1.54	2.13	2.28	2.31	2.18	0.99	1.10	1.06	1.24	3.54	3.55	3.67	3.74	Total						



CLASSIFIED SCHEDULE OF SEWERS AS BUILT TO DECEMBER 31, 1931

Vitrified and cement.....	117.304 miles
Brick.....	48.592 miles
Miscellaneous materials.....	3.313 miles
Wood.....	2.821 miles
Cement concrete.....	5.731 miles
Iron pipe.....	.314 miles
Total length of sewer conduits constructed to date.....	178.075 miles

METROPOLITAN SEWER TAX

Appropriation.....	\$94,568 38
Sinking fund requirements.....	\$2,530 46
Interest account.....	11,211 90
Maintenance and operation.....	62,899 52
Maturing serial bonds.....	17,926 50

SEWER CONSTRUCTION ACCOUNTS

Appropriation.....	\$105,020 94
Expended.....	90,985 53
Balance.....	\$14,035 41

Expended

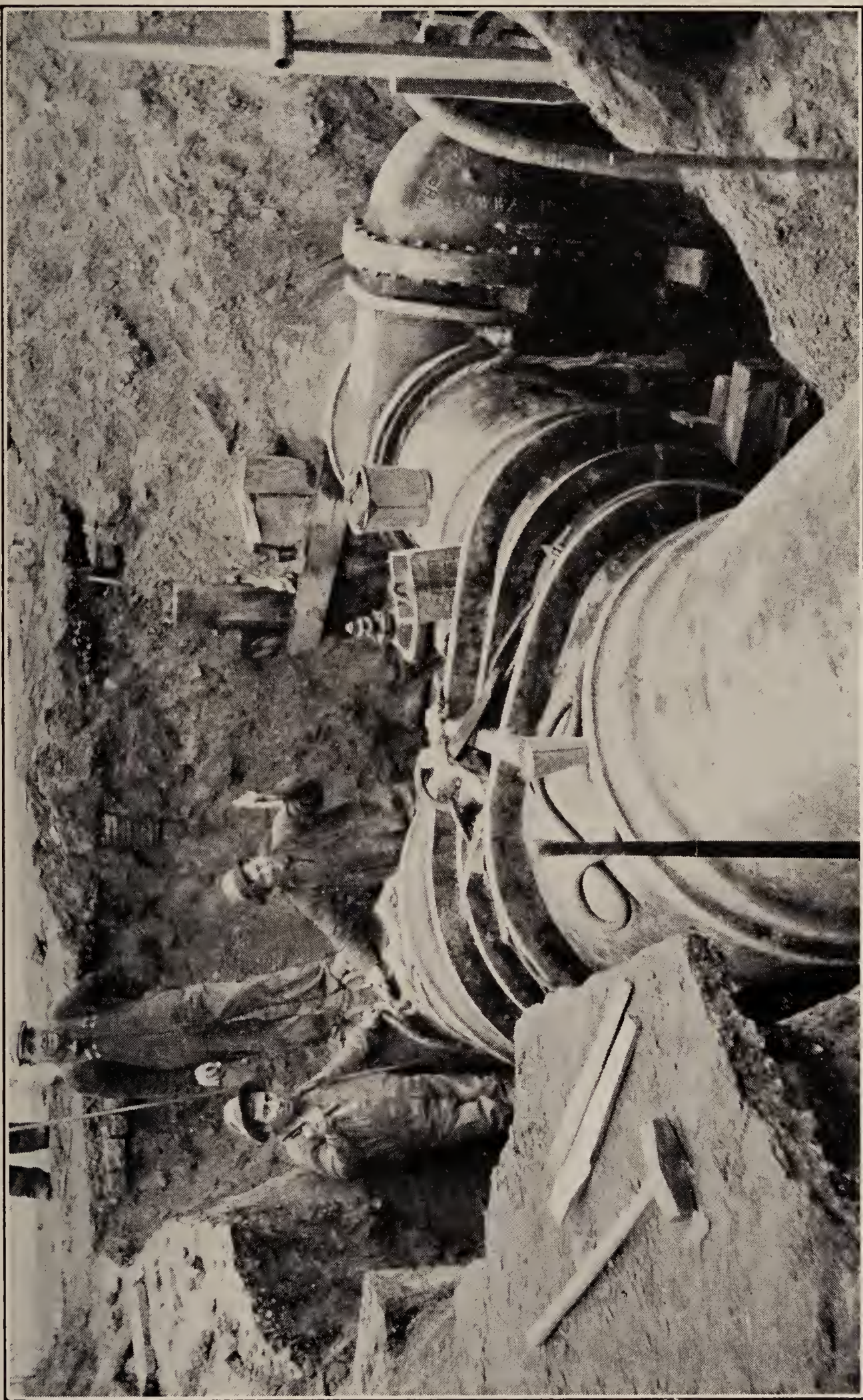
General expense.....	\$3,939 72
New catch basins.....	2,774 54
Sherman Street sewer outlet.....	81,347 14
Stearns Street sewer extension.....	620 21
Sidney Street sewer extension.....	2,303 92
Total expenditure.....	\$90,985 53

SEWER MAINTENANCE

Appropriation.....	\$38,253 50
Expended.....	37,779 30
Balance.....	\$474 20

Expended

Catch basin repairs.....	\$2,466 25
Catch basin cleaning.....	5,277 48
Cleaning and repairing gates.....	1,868 25
Cleaning sumps.....	62 58
Cleaning and flushing sewers.....	3,492 79
Manhole repairs.....	646 71
General expense.....	15,493 95
Salary of Superintendent of Sewers.....	3,187 50
Office expense.....	695 28
Sewer repairs.....	3,921 17
Yard and garage expense.....	667 46
Total expenditure.....	\$37,779 30



WALTHAM, CLARK AND RIVER STREET CONNECTION, JANUARY 15, 1932

WATER WORKS

In the report for the year 1930-31, reference was made to the scanty rainfall for the year 1930. This left the reservoirs badly deflated. On January 1, 1931, the water in the Stony Brook Reservoir was 11.23 feet below high watermark — showing a loss in storage of 244,500,000 gallons, and at the Hobbs Brook Reservoir the water stood at 10.96 feet below high watermark, showing a loss in storage of 1,720,000,000 gallons.

The rainfall for the year 1931 was 43.7 inches, about the average yearly amount. On January 1, 1932, the water in the Stony Brook Reservoir was 0.05 feet below full reservoir, showing a loss of 14,000,000 gallons. In storage and at Hobbs Brook Reservoir the water on January 1, 1932 was 6.52 feet below high watermark or a loss of 1,075,000,000 gallons in storage at that time.

The continued low water in the reservoirs, as shown by the above figures, indicated the necessity of immediate action to secure additional water to the present supply. The report of the Consultant Engineers, Fuller and Everett, suggested several sources which might be utilized.

It was decided to take up the matter of increasing the pressure in the mains of the easterly sections of the City by enlarging some of the important main pipes. Contracts for furnishing the pipe and laying the same were made and are now practically completed (see two illustrations herewith).

A total length of 23,799 feet of pipe of sizes from 30 inches to 12 inches in diameter have been laid in the City during the year, and this portion of the work is now practically completed. It was next decided to lay an auxiliary pipe from the end of the present end of the sixty-inch concrete conduit, which ends in the City of Waltham at the junction of Clark and River Streets, and carry an additional 36-inch pipe from Clark Street through the City of Waltham to near the dam at Stony Brook, a length of about 13,000 lineal feet. This new 36-inch pipe is laid generally near and parallel with the old 30-inch pipe laid in 1884, this making two pipe conduits from Clark Street to the Stony Brook Dam and Reservoir.

The contract for laying this pipe and fittings was made on October 30, 1931, with James J. Coughlan & Sons, Inc., of Boston,

who are now carrying on the work, and it is expected that the same will be completed in the early summer.

Water wasted over Stony Brook Dam during the year as follows:

1931	Gallons
January.....	.....
February.....	.....
March.....	910,060,000
April.....	414,137,000
May.....	104,448,000
June.....	423,172,000
July.....	2,988,000
August.....	.....
September.....	.....
October.....	.....
November.....	.....
December.....	.....

The total amount of water passing over the dam during the year 1931 was 1,854,805,000 gallons.

The total consumption of water during the year 1931 was 4,575,930,100 gallons.

The Engineering Department is organized as follows:

City Engineer

LEWIS M. HASTINGS

Deputy City Engineer

G. FRANK HOOKER

Superintendent of Sewers

THOMAS P. O'NEILL

Secretary and Clerk

GENEVIEVE G. HANNON

Assistants

- RAY L. COOLIDGE, Assistant Engineer and Office Assistant
- EDGAR W. DAVIS, Assistant Engineer in charge of street and sewer work
- DONALD J. REARDON, Assistant Engineer and Office Assistant
- EDWARD SMITH, Assistant Engineer and Office Assistant
- WILLIAM H. MCGINNESS, Assistant Engineer and Office Assistant.

Transitman

JOSEPH P. CARNEY

Rodmen

- J. DONNELL SULLIVAN
- JOHN A. ALTIMAS
- EDWARD F. CARNEY

Respectfully submitted,

L. M. HASTINGS,
City Engineer.

LIST OF STREETS AND WAYS IN THE CITY OF CAMBRIDGE, JANUARY 1, 1932

NOTE — Wherever the date 1635 occurs it indicates that while no official acceptance of the street has ever been made it has been recognized as a public highway from that date.

Street Names	From	To	Accepted			Unaccepted Length
			Width	Length	Date	
Aberdeen Ave...	Mt. Auburn....	Huron Ave.....	100	1280	1895	170
Acacia.....	Hawthorn.....	Ash.....	40	312	1880	
Acorn.....	Putnam Ave....	Chestnut.....	40	300	1875	
*Adams Ter....	Baldwin.....	Westerly.....	30			
Agassiz.....	Linnaean.....	Lancaster.....	40	374	1886	
Akron.....	Banks.....	Memorial Drive.	40	230	1915	330
Albany.....	Main.....	Mass. Ave.....	50	1262	1884	
Albany.....	Mass. Ave.....	Erie.....	50	2236	1902	
Albro.....	Blackstone.....	Westerly.....	40			
Alden Rd.....	Chatham.....	Broadway.....	35	246	1923	
Alberta Ter. . .	Mass. Ave.....	Cedar.....	30	273	1923	113
Allen.....	Mass. Ave.....	Orchard.....	30	304	1896	
Allston.....	Putnam.....	Pleasant.....	30	454	1900	
Allston.....	Pleasant.....	Kenwood.....	30	249	1894	
Allston.....	Kenwood.....	Magazine.....	40	260	1907	
Allston.....	Magazine.....	Brookline.....	40	980	1871	510
Allston.....	Brookline.....	Waverly.....	40	818	1877	
*Allston Ct....	Allston.....	Southerly.....	12			
Alpine.....	Concord Ave....	Field.....	50	337	1896	
Alpine.....	Concord Ave....	Vassal Lane....	40	656	1929	
Ames.....	Main.....	Amherst.....	60	906	1910	120
Ames.....	Amherst.....	Charles River Rd	60	240	1912	
*Amesbury.....	Vassar.....	Memorial Drive.	40			
Amherst.....	Wadsworth.....	Ames.....	60	920	1902	
Amherst.....	Mass. Ave.....	Endicott.....	60	1090	1900	
Amory.....	Broadway.....	Hampshire.....	40	1333	1880	120
*Amory Pl.....	Amory.....	Westerly.....	20			
Andrew.....	Fairmont.....	Allston.....	30	431	1899	
†Anglim.....	Waverly.....	Reardon.....	50	380	1911	
Antrim.....	Broadway.....	Inman Sq.	40	1342	1873	
Appian Way ...	Brattle.....	Garden.....	30	478	1800	120
Appleton.....	Brattle.....	Vassal Lane....	45	1437	1866	
Appleton.....	Vassal Lane....	Concord Ave....	40	630	1893	
Appleton Rd. . .	Appleton.....	Easterly.....	40	171	1922	
*Appleton Ter...	Appleton.....	Easterly.....	10			
Arcadia.....	Eustis.....	Harris.....	30	173	1928	150
Arlington.....	Mass. Ave.....	Washington Ave.	40	1107	1874	
*Arnold Circle...	Mass. Ave.....	Northerly.....	20			

† Varies in width.

Unaccepted streets marked with an *

List of Streets and Ways in the City of Cambridge, January 1, 1932 — *Continued*

Street Names	From	To	Accepted			Unaccepted Length
			Width	Length	Date	
† Arrow	Mass. Ave.	Bow	30	430	1635	
Arsenal Sq.	Chauncey	Concord Ave.			1871	
* Arthur Park	Allston	Magazine Ct.	20			54
Ash	Brattle	Mt. Auburn	31	604	1635	
Ash	Mt. Auburn	Southerly	30	308	1900	
Ash	Memorial Drive	Northerly	30	90	1922	
* Ash St. Pl.	Ash St.	Easterly	30			310
* Ashburton Pl.	Essex	Easterly	20			148
* Ashton Pl.	Irving	Westerly	25			200
Athenaeum	First	Second	50	399	1902	
Athens	Mt. Auburn	Grant	40	397	1905	
* Athens Ter.	Athens	Easterly	20			120
Auburn	Blanche	Sidney	40	183	1910	
Auburn	Sidney	Brookline	40	528	1874	
Auburn	Brookline	Western Ave.	40	1492	1836	
* Audrey	Memorial Drive	Vassar	50			580
Austin	Main	Inman	49	2085	1830	
* Austin Pk.	Austin	Northerly	34			245
* Austin Pl.	Austin	Southerly	14			99
Avon	Shepard	Linnaean	35	842	1864	
Avon Hill	Linnaean	Hillside Ave.	40	635	1882	
Avon Hill	Hillside Ave.	Upland Rd.	40	645	1893	
* Avon Pl.	Avon Hill	Easterly	20			256
* Bacon Ct.	Gore	Northerly	12			200
* Bailey Pl.	Magazine	Easterly	14			135
Baldwin	Cambridge	Kirkland	40	1098	1853	
* Baldwin St. Ct.	Baldwin	Easterly	13			165
* Ballord Pl.	Putnam Ave.	Montague	30			173
* Bancroft	Western Ave.	Southerly	40			386
Banks	Mt. Auburn	Hingham	40	1896	1874	
Bates	Avon Hill	Raymond	40	356	1887	
Bay	Mass. Ave.	Kinnaird	40	580	1874	
Bay State Rd.	Concord Ave.	Field	50	760	1896	
* Bedford	Porter	Somerville line	33			30
† Beech	Mass. Ave.	Elm	60	560	1848	
* Bell Court	Allston	Northerly	25			255
Bellevue Ave.	Raymond	E. of Avon Hill	30	455	1889	
Bellevue Ave.	Raymond	Westerly	30	182	1895	
Belmont	Mt. Auburn	Belmont line	75	1183	1900	
* Belmont Ct.	Dudley	Northerly	14			135
* Belvider Pl.	Green	Franklin	5			177
* Bennett	Murray	University Rd.	40			347
Bent	First	Second	50	400	1929	
* Bent	Lechmere Canal	Second	50			740
Bent	Third	Sixth	50	1071	1913	
* Bent	Sixth	Ninth	50			535

† Varies in width.

Unaccepted streets marked with an *

List of Streets and Ways in the City of Cambridge, January 1, 1932 — *Continued*

Street Names	From	To	Accepted			Unaccepted Length
			Width	Length	Date	
Berkeley.....	Garden.....	Craigie.....	40	1240	1864	560
*Berkeley Pl.....	Berkeley.....	Southerly.....	35			
Berkshire.....	Bristol.....	York.....	40	465	1900	
Berkshire.....	York.....	Cambridge.....	40	1129	1896	300
*Berkshire Pl.....	Berkshire.....	Portland.....	15			
Bigelow.....	Mass. Ave.....	Harvard.....	40	920	1869	
Binney.....	Commercial Ave.	First.....	50	235	1897	
Binney.....	First.....	Third.....	50	1271	1900	
Binney.....	Third.....	Ninth.....	50	1406	1907	
Binney.....	Ninth.....	Portland.....	50	828	1876	
Birch.....	Concord Ave....	Bay State Rd..	50	426	1896	
Bird.....	Belmont.....	Thingvalla Ave..	40	316	1916	
Blacknall.....	Putnam Ave....	Magee.....	30	496	1925	
Blackstone.....	River.....	Western Ave....	50	844	1859	
*Blair Pl.....	Bolton.....	Southerly.....	35			
Blake.....	Mass. Ave.....	Orchard.....	40	408	1883	182
Blanche.....	Mass. Ave.....	Auburn.....	30	600	1902	
†Blanchard Rd..	Grove St.....	Wellington Br'k.	33	3450	1916	
Blakeslee.....	Huron Ave.....	Southerly.....	40	320	1923	
Blakeslee.....	Reservoir.....	Easterly.....	40	234	1923	
Boardman.....	Harvard.....	Broadway.....	50	275	1872	
*Boardman Pl..	Boardman.....	Easterly.....	6			100
Bolton.....	Sherman.....	Westerly.....	25	978	1875	
Bolton.....	Sherman.....	Easterly.....	30	457	1905	
Bond.....	Concord Ave....	Garden.....	50	476	1882	
†Bow.....	Mass. Ave.....	Arrow.....	40	235	1785	
Bow.....	Arrow.....	Mt. Auburn....	45	720	1785	
Bowdoin.....	Linnaean.....	south of Martin.	40	600	{ 1883	150
Bowdoin.....	Hudson.....	Northerly.....	40	205	{ 1908	
*Boyle Ter.....	Huron Ave.....	Southerly.....	15			
Boylston.....	Mass. Ave.....	Charles River...	60	1820	1895	75
*Boyson Pl.....	Valentine.....	Northerly.....	10			
*Bradbury.....	Mt. Auburn....	Sparks.....	20			
†Brattle.....	Harvard Sq....	Mason.....	60	1812	1700	abt.
†Brattle.....	Mason.....	Elmwood Ave... {	60	3638	1635	
Brattle.....	Elmwood Ave...	Mt. Auburn St..	70	3000	1812	
Brattle Sq.....	Changed to Har	vard Sq.....	60		1930	374
*Brewer.....	Mt. Auburn....	Southerly.....	20			
Brewster.....	Appleton.....	Easterly.....	35	343	{ 1887	
Brewster.....	Sparks.....	Westerly.....	35	399	{ 1890	
†Bridge.....	Harbor Line....	Lechmere Sq....	75		1839	
†Bridge.....	Lechmere Sq....	Somerville line..	100		1870	
*Brimmer Pl....	Burleigh.....	Munson.....	13			240
Bristol.....	Portland.....	Webster Ave....	40	504	1882	
Bristol.....	Webster Ave....	Hampshire.....	30	234	1874	

† Varies in width.

† Length included in "Northern Traffic Artery" (which see).

Unaccepted streets marked with an *.

List of Streets and Ways in the City of Cambridge, January 1, 1932 — *Continued*

Street Names	From	To	Accepted			Unaccepted Length
			Width	Length	Date	
Bristol	Hampshire	Market	30	268	1900	
Broadway	Main	Hampshire	80	2120	1829	
Broadway	Hampshire	Cambridge	66	8030	1829	
Broadway Pk.	Common	Norfolk				
*Broadway Ter.	Broadway	Southerly	15			228
Brookford	Mass. Ave.	Railroad	40	477	1905	
Brookline	Mass. Ave.	Henry	40	3930	1824	
Brookline	Henry	Granite	75	320	1927	
Brookline	Granite	Charles River	100	750	1902	
*Brooks	Main	School	20			198
Brown	Brattle	Foster	30	490	1905	
Bryant	Francis Ave.	Irving	50	342	1906	
Bryant	Irving	Scott	50	445	1917	
Buckingham	Craigie	Concord Ave.	40	1213	1866	
*Buckingham Pl.	Buckingham	Easterly	30			235
Buena Vista Pk.	Upland Rd.	Northerly	40	350	1896	
Buena Vista Pk.	Richdale Ave.	Southerly	30	180	1898	
Burleigh	Main	Broadway	40	810	1872	
*Burns Ct.	Foster	Southerly	16			160
*Butler Ct.	Plympton	Easterly	10			70
Cambridge	Bridge	Mass. Ave.	66	12000	1809	
Cambridge Com.	Peabody	Waterhouse				
Cambridge Ter.	Richdale Ave.	Buena Vista Pk.	40	533	1909	
*Camden Pl.	Mt. Auburn	Northerly	16			140
Camelia Ave.	Cambridge	Northerly	35	220	1916	
Cameron Ave.	Mass. Ave.	Seven Pines	60	568	1896	
*Camp	Fair Oaks	Seven Pines	40			350
Carleton	Broadway	Main	30	245	1913	
Carleton	Deacon	Amherst	50	487	1902	
Carleton	Main	Deacon	40	167	1913	
Carlisle	Tremont	Prospect	40	263	1891	
Carver	Museum	Sacramento	40	496	1899	
Cedar	Mass. Ave.	Rindge Ave.	40	1554	1870	
*Central Pl.	Western Ave.	Northerly	20			100
Central Sq.	Mass. Ave.	Prospect				
Centre	Hancock	Dana	50	655	1848	
Channing	Brattle	Mt. Auburn	50	712	1871	
*Channing Pl.	Brattle	Northerly	{ 40 30 20			294 170 135
*Chapman Pl.	Gerry	Brewer	20			
Charles	First	Second	50	400	1900	
Charles	Second	Third	50	421	1895	
Charles	Third	Fifth	50	725	1873	
Charles	Fifth	Sixth	50	400	1889	
Charles	Sixth	Ninth	50	535	1912	
Charles Riv'r Rd.	Mass. Ave.	Main	52.5	3800		

† Varies in width.
Unaccepted streets marked with an *

List of Streets and Ways in the City of Cambridge, January 1, 1932 — *Continued*

Street Names	From	To	Accepted			Unaccepted Length
			Width	Length	Date	
Char'stown Ave.	Bridge	Char'stown line .	50	1339	1839	
Chatham	Hancock	Dana	40	744	1859	
Chauncy	Mass. Ave.	Concord Ave. . . .	45	1206	1863	
Cherry	Main	School	30	190	{ 1855 1840	
Cherry	School	Harvard	30	905		
*Cherry Ct.	Cherry	Easterly	12			177
Chester	Mass. Ave.	Somerville line . .	40	294	1870	
*Chestnut	Waverly	Sidney	40			410
Chestnut	Sidney	Brookline	40	402	1895	
Chestnut	Brookline	Pearl	40	496	1875	
Chestnut	Pearl	Magazine	40	467	1874	
Chestnut	Magazine	Pleasant	40	544	1826	
Chetwynd Rd. . .	Newell St.	Northeasterly . .	40	184	1929	
Chilton	Concord Ave. . . .	Field	50	375	1896	
Chilton	Huron Ave.	Vassal Lane	40	758	1912	
Chilton	Concord Ave. . . .	Vassal Lane	40	575	1917	
Church	Mass. Ave.	Palmer	48	270	1834	
Church	Palmer	Brattle	50	407	1834	
*Church Pl.	Cambridge	Southerly	6			66
Churchill Ave. . .	Mass. Ave.	Guyette Rd.	30-40	600	1891	
Clarendon Ave. .	Mass. Ave.	Somerville line . .	40	735	1907	
Clark	Main	School	40	198	1870	
Clark	School	Washington	30	315	1901	
Clark	Washington	Harvard	30	400	1840	
Clark	Harvard	Hampshire	30	940	1865	
Clark	Hampshire	Webster Ave. . . .	30	117	1909	
*Clark St. Pl. . .	Clark	Easterly	8			50
Clary	Prospect	Westerly	40	249	1910	
Clay	Rindge Ave.	Harvey	40	1361	1874	
*Clement Circle .	Sparks	Easterly	30			222
Cleveland	Ellery	Dana	30	300	1886	
Clifton	Rindge Ave.	Dudley	40	720	{ 1889 1902	
Clifton	Dudley	Harvey	40	643		
Clinton	Mass. Ave.	Harvard	30	860	1863	
Cogswell Ave. . .	Mass. Ave.	Fitchburg R.R. . .	40	930	1873	
*Cogswell Pl. . . .	Mead	Cogswell Ave. . . .	20			514
Columbia Sq. . . .	Columbia	Cambridge				
Columbia	Mass. Ave.	Cambridge	45	3600	{ 1847 1874	
Columbia	Cambridge	Somerville line . .	45	490		
*Columbia Ter. . .	Columbia	Westerly	10			210
Columbus Ave. . .	Mass. Ave.	Madison	40	190	1907	
Columbus Ave. . .	Madison	Kimball	40	557	1930	
*Common	Harvard	Broadway	15			352
Commercial Ave. .	First	Binney	60	646	1900	
Commercial Ave. .	Binney	Canal	60	1537	1911	
†Commercial Ave. .	Canal	Bridge	63	369	1902	

† Varies in width.

Unaccepted streets marked with an *

List of Streets and Ways in the City of Cambridge, January 1, 1932 — *Continued*

Street Names	From	To	Accepted			Unaccepted Length
			Width	Length	Date	
†Concord Ave. . .	Waterhouse . . .	Wellington	50	10800	1829	
*Conlons Ct. . . .	Third	Easterly	20			210
†Coolidge Ave. . .	Mt. Auburn . . .	Southerly	60	2220	1886	
Coolidge Ave. . .	Watertown line .	Northerly	33	1340	1850	
Coolidge Hill . .	Coolidge Ave. . .	Easterly	40	183	1924	
Coolidge Hill . .	Coolidge Ave. . .	Easterly	50	1298	1924	
*Coolidge Pl. . . .	Mass. Ave.	Northerly	20			170
Coolidge Hill Rd.	Mt. Auburn . . .	Southerly	40	740	1916	
Copley	Walden	Fayerweather . . .	40	520	1896	
*Corliss Pl.	Antrim	Westerly	10			80
Cottage	Pearl	Magazine	40	446	1873	
Cottage	Magazine	River	40	535	1882	
*Cottage Ct. . . .	Cottage	Southerly	10			130
Cottage Pk. Ave.	Mass. Ave.	Fitchburg R.R. . .	40	324	1902	
*Cottage Row . . .	Green	Northerly	6			110
Cowperthwaite . .	Banks	DeWolfe	40	619	1874	
Coveney Sq. . . .	First	Commercial Ave. .				
*Crabbie	Richardson	Norfolk	20			110
*Craigie Circle . .	Craigie	Northerly	30			208
Craigie	Concord Ave. . . .	Brattle	50	1272	1852	
Crawford	Broadway	Chatham	40	223	1925	
Creighton	Mass. Ave.	Southerly	40	665	1891	
Crescent	Oxford	Sacramento	30	660	1894	
*Cresto Ter. . . .	Gore	Northerly	10			65
*Cross	Albany	Landsdowne	50			480
*Crossland	Clark	Bristol	20			202
Cushing	Belmont	Huron Ave.	40	1860	1880	
*Cushing Ct. . . .	Cushing	Lawn	30			570
*Cutler Ave. . . .	Huron Ave.	Southerly	40			142
*Cypress	Walden	Easterly	30			150
Dale	Concord Ave. . . .	Field	50	400	1896	
Dana	Mass. Ave.	Harvard	40	615	1848	
Dana	Harvard	Broadway	40	555	1859	
Dana	Broadway	Cambridge	40	845	1864	
Dana Sq.	Lawrence	Lake			1856	
Danforth	Amherst	Memorial	60	241	1904	
Davenport	Mass. Ave.	Easterly	35	200	1894	
Davenport	Elm	Westerly	35	415	1877	
*Davis Ct.	Davis	Easterly	10			90
Davis	Harvard	Broadway	30	300	1849	
Day	Mass. Ave.	Somerville	40	348	1886	
*Daye Ct.	Blackstone	Easterly	10			100
Deacon	Dock	Carleton	30	230	1917	
*Deacon Ct. . . .	Dock	Carleton	12			226
Decatur	Brookline	Pearl	40	477	1874	
*Decatur Ct. . . .	Decatur	Southerly	10			124

† Varies in width.

Unaccepted streets marked with an *

List of Streets and Ways in the City of Cambridge, January 1, 1932 — *Continued*

Street Names	From	To	Accepted			Unaccepted Length
			Width	Length	Date	
DeWolfe.....	Mt. Auburn.....	Bow.....	40	75	1897	
DeWolfe.....	Bow.....	Memorial Drive.	40	1300	1858	
*DeWolfe Pl.....	DeWolfe.....	Westerly.....	12			73
*Dickinson.....	Broadway.....	Moore.....	15			765
*Dinsmore Ct. . .	Willard.....	Westerly.....	22			181
*Divinity Ave. . .	Kirkland.....	Northerly.....	70			1100
*Doane.....	Foster.....	Kenway.....	30			200
Dock.....	Main.....	Deacon.....	30	107	1918	
Dodge.....	Western Ave....	Grigg.....	30	218	1905	
Donnell.....	Concord Ave....	Garden.....	30	680	1889	
Douglass.....	Mass. Ave.....	Austin.....	30	286	1873	
*Douglas Ct.....	Douglass.....	Westerly.....	18			122
Dover.....	Mass. Ave.....	Somerville.....	40	380	1886	
*Drummond Pl. . .	Norris.....	Southerly.....	10			140
Dudley.....	Mass. Ave.....	Cedar.....	40	440	1897	
Dudley.....	Cedar.....	Montgomery . .	40	590	1900	
Dudley.....	Montgomery . .	Clifton.....	40	796	1902	
*Dudley Ct. . . .	Dudley.....	Southerly.....	14			134
*Dunstable Rd... .	Appleton.....	Westerly.....	35			315
Dunster.....	Mass. Ave.....	Mt. Auburn.....	40	364	1857	
Dunster.....	Mt. Auburn.....	South.....	{ 30 34	500	1635	
East.....	Northern Artery	Northerly.....	50	34	1829	
*Eaton.....	Cherry.....	Pine.....	30			200
Edmunds.....	Mass. Ave.....	Southerly.....	30	279	1912	
Eighth.....	Cambridge.....	Thorndike.....	40	459	{ 1876	
Eighth.....	Thorndike.....	Spring.....	40	204	{ 1896	
Eliot.....	Eliot Sq.....	Boylston.....	70	360	1870	
Eliot Sq.....	Mt. Auburn.....	Murray.....			1635	
Ellery.....	Mass. Ave.....	Harvard.....	40	578	1869	
Ellery.....	Harvard.....	Broadway.....	40	600	1857	
Ellery.....	Broadway.....	Cambridge.....	40	725	1869	
Ellsworth Ave. . .	Broadway.....	Cambridge.....	40	927	1861	
Ellsworth Pk. . .	Ellsworth.....	Easterly.....	30	227	1910	
Elm.....	Harvard.....	Somerville.....	40	2485	1873	
†Elm.....	In Somerville..					
Elmer.....	Hingham.....	Northerly.....	25	427	1925	
Elmwood Ave. . .	Brattle.....	Mt. Auburn.....	60	715	1635	
Emily.....	Sidney.....	Brookline.....	40	442	1930	
*Emmett Pl.....	Sixth.....	Easterly.....	10			100
*Emmons Pl.....	Baldwin.....	Westerly.....	18			180
Endicott.....	Memorial Drive	Amherst.....	60	241	1917	
*Ericsson.....	Belmont line . .	Thingvalla Ave.	40			50
*Ericsson Ct.....	Green.....	Northerly.....	6			95
Erie.....	Brookline.....	Pearl.....	40	410	1892	
Erie.....	Pearl.....	Magazine.....	40	450	1860	

† Varies in width.

Unaccepted streets marked with an *

List of Streets and Ways in the City of Cambridge, January 1, 1932 — *Continued*

Street Names	From	To	Accepted			Unaccepted Length
			Width	Length	Date	
Erie.....	Albany.....	Brookline.....	40	1000	1899	80 390
Essex.....	Mass. Ave.....	Austin.....	31	280	1850	
Essex.....	Austin.....	Harvard.....	40	827	1836	
*Essex Ct.....	Essex.....	Westerly.....	13			
*Esten.....	Walden.....	Fenno.....	18			
Eustis.....	Oxford.....	Somerville.....	40	660	1900	
Everett.....	Mass. Ave.....	Oxford.....	50	848	1877	
Exeter Park....	Mass. Ave.....	Easterly.....	35	263	1904	70 154
Fainwood Circle	Fayette.....	Westerly.....	{ 25 30	352	1914	
Fairfield.....	Rindge Ave.....	Pemberton.....	40	610	1891	
Fairmont Ave...	Fairmont.....	Allston.....	30	430	1894	
Fairmont.....	Magazine.....	Pleasant.....	30	697	1871	
Fairmont.....	Pleasant.....	River.....	30	470	1874	
Fair Oaks.....	Cameron.....	Camp.....	40	240	1910	
Fairview Ave. .	Oxford Ave.....	Belmont line . .	50	207	1905	
*Fairview Ave. .	Oxford Ave.....	Easterly.....	50			
*Fallon Pl.....	Banks.....	Easterly.....	17			
Farrar.....	Scott.....	Holden.....	40	575	1891	
Farwell Pl.....	Brattle.....	Easterly.....	30	370	1844	
Fayerweather .	Brattle.....	S. of Reservoir .	{ 48	{ 310	{ 1863	
Fayerweather .	S. of Reservoir..	Vassal Lane	{ 50	{ 1935	{ 1893	
Fayerweather .	Vassal Lane	Concord Ave....	50	535	1917	
Fayerweather .	Concord Ave....	Walden.....	50	692	1896	
Fayette.....	Broadway.....	Cambridge.....	40	1266	1848	110
*Fayette Pk....	Fayette.....	Westerly.....	20			
Felton.....	Broadway.....	Cambridge.....	40	412	1871	
Fenno.....	Garden.....	Sherman.....	40	238	1891	
Fenno.....	Sherman.....	Esten.....	40	363	1905	
Fern.....	Concord Ave....	Field.....	50	465	1896	
Field.....	Fayerweather...	Bay State Rd. . .	40	1234	1896	
Fifth.....	Winter.....	Gore.....	50	200	1873	
Fifth.....	Gore.....	Spring.....	50	900	1829	
Fifth.....	Spring.....	Charles.....	50	450	1873	
Fifth.....	Charles.....	Bent.....	50	200	1912	200
Fifth.....	Bent.....	Potter.....	50	1035	1871	
First.....	Cambridge.....	Otis.....	50	300	1871	
First.....	Otis.....	Thorndike.....	50	200	1874	
First.....	Thorndike.....	Hurley.....	60	450	1883	
First.....	Hurley.....	Binney.....	60	995	1893	
First.....	Binney.....	Broad Canal . .	60	935	1893	
†First.....	Broad Canal . .	Main.....	60	375	1905	
*Fisk Pl.	Washington....	Southerly.....	30			
Flagg.....	Putnam.....	Memorial Drive	40	664	1874	70
Florence.....	Magazine.....	Pleasant.....	40	493	1873	
*Florence Pl....	Norfolk.....	Westerly.....	7			

† Varies in width.
Unaccepted streets marked with an *

List of Streets and Ways in the City of Cambridge, January 1, 1932 — *Continued*

Street Names	From	To	Accepted			Unaccepted Length
			Width	Length	Date	
Foch	Newman	Gladstone	30	437	1918	
† Follen	Concord Ave.	Waterhouse	{ 30 40	940	1868	
Forest	Mass. Ave.	Somerville	40	916	1872	
Fort Washington	Waverly	Talbot			1775	
Foster	Willard	Sparks	40	621	1874	
Foster	Sparks	Lowell	40	779	1896	
* Foster Pl.	Foster	Northerly	15			200
† Fountain Ter. . .	Holworthy	Huron		250	1894	
Fourth	Bridge	Gore	50	400	1883	
Fourth	Gore	Cambridge	50	250	1829	
Fourth	Cambridge	Thorndike	50	450	1832	
Fourth	Thorndike	Spring	50	300	1835	
Fourth	Spring	Hurley	50	250	1851	
Fourth	Hurley	Charles	50	250	1874	
* Fourth St. Pl. . .	Fourth	Westerly	10			80
* Fowler	Amherst	Memorial Drive	60			116
* Frances Pl.	Montgomery	Westerly	16			100
Francis Ave. . . .	Kirkland	Bryant	45	867	1906	
Francis Ave. . . .	Bryant	Angle	45	325		
Francis Ave. . . .	Angle	E. of Irving	40	480	1914	
Frank	Mass. Ave.	Somerville	40	480	1885	
Franklin	Sidney	Brookline	40	550	1873	
Franklin	Brookline	Pleasant	40	1191	1836	
Franklin	Pleasant	Putnam Ave.	40	2149	1871	
Franklin	Sidney	Landsdowne	40	429	1911	
* Franklin Pl. . . .	Franklin	Northerly	10			92
Fresh Pond Ave.	Lexington Ave. . .	Vassal Lane	50	410	1887	
Fresh Pond Ave.	Concord Ave. . . .	Vassal Lane	100	830	1887	
Fresh Pond Lane	Brattle	Fresh Pond Pk. . .	50	1524	1916	
Fresh Pond Pky	Huron Ave.	Wyeth Ter.	40	520	1891	
* Frisbie Pl.	Kirkland St.	Northerly	40			440
Front	Windsor	Mass. Ave.	40	180	1912	
* Frost Ter.	Mass. Ave.	Easterly	20			130
Frost	Roseland	Prentiss	40	815	1872	
* Fuller Pl.	Hilliard	Westerly	30			160
Garden	Mass. Ave.	Waterhouse	70	1278	1635	
Garden	Waterhouse	Chauncy	60	700	1635	
† Garden	Chauncy	Linnaean	{ 50 60	1311	1635	
Garden	Linnaean	Huron Ave.	50	972	1865	
Garden	Huron Ave.	Walden	40	1000	1874	
Garden	Walden	Field	40	1266	1896	
* Garden Ter. . . .	Garden	Westerly	30			250
Gardner Rd. . . .	Tremont	Prospect	30	280	1871	
Garfield	Mass. Ave.	Oxford	50	848	1882	

† Varies in width.

Unaccepted streets marked with an *

List of Streets and Ways in the City of Cambridge, January 1, 1932 — *Continued*

Street Names	From	To	Accepted			Unaccepted Length
			Width	Length	Date	
*George	Montgomery . . .	Clay	20			240
*Gerry	Mt. Auburn . . .	Ross	20			375
Gibson	Mt. Auburn . . .	Foster	40	483	1917	
*Gilmore	Western Ave. . .	Southerly	40			120
Gladstone	Mass. Ave. . . .	Foch	30	257	1909	
*Glen Ter.	Brookline	Easterly	8			40
Glenwood Ave. . .	Pearl	Magazine	40	476	1895	
*Goldie	Griswold	Northerly	40			460
*Gordon Pl.	Florence	Southerly	25			230
Gore	Bridge	Somerville line . .	50	2444	1810	
*Gore St. Pl. . . .	Gore	Southerly	10			55
*Gorham	Wendell	Northerly	40			174
Gorham	Wendell	Hammond	40	311	1901	
Gorham	Hammond	Museum	40	155	1918	
*Gracewood Pk. . .	Lexington Ave. . .	Easterly	40			123
Granite	Magazine	Pearl	40	440	1899	
Granite	Pearl	Brookline	40	541	1900	
Grant	Banks	DeWolfe	40	590	1874	
Granville Rd. . .	Huron Ave. . . .	Vassal Lane	40	513	1912	
Granville Rd. . .	Vassal Lane . . .	Saville	40	340	1918	
Gray	Martin	Linnaean	40	475	1882	
† Gray Gardens E. .	Garden	Raymond	40	900	1923	
† Gray Gardens W .	Garden	Westerly		600	1923	
Green	Landsdowne . . .	Blanche	40	373	1895	
Green	Blanche	Sidney	40	170	1899	
Green	Sidney	Brookline	40	570	1871	
Green	Brookline	Pearl	40	390	1873	
Green	Pearl	Magazine	40	450	1830	
Green	Western Ave. . .	Pleasant	40	310	1845	
Green	Pleasant	Bay	40	1550	1873	
Green	Bay	Putnam Ave. . . .	40	715	1861	
*Green	Putnam Ave. . . .	Westerly	40			212
*Greenhalge	Memorial Drive .	Northerly	60			116
Greenough Ave. . .	Highland Ave. . .	Ellsworth Ave. . .	40	306	1881	
Grigg	Howard	Westerly	40	435	1877	
Grigg	Putnam	Easterly	40	275	1889	
*Griswold	Concord Ave. . .	N. of Loomis . . .	40			1060
*Grotto Pl.	Moore	Westerly	15			50
*Grove Ave.	Allston	Putnam Ave. . . .	30			300
Grozier Rd. . . .	Fresh Pond Pky .	Huron Ave.	45	1038	1924	
Grozier Rd. . . .	Huron Ave.	Northerly	45	160	1927	
Gurney	Huron Ave.	Fayerweather . . .	40	585	1905	
Guyette Rd. . . .	Churchill Ave. . .	Alewife Br. Pky . .	40	885	1928	
Hadley	Mass. Ave.	Northeasterly . . .	30	330	1909	
Hamilton	Pearl	Magazine	40	451	1866	
Hamilton	Brookline	Pearl	40	492	1875	

† Varies in width.

Unaccepted streets marked with an *

List of Streets and Ways in the City of Cambridge, January 1, 1932 — *Continued*

Street Names	From	To	Accepted			Unaccepted Length
			Width	Length	Date	
Hamilton.....	Sidney.....	Brookline.....	40	400	1917	
Hamlin.....	Plymouth.....	York.....	40	217	1900	
Hammond.....	Oxford.....	Carver.....	40	1135	1893	
Hampshire.....	Broadway.....	Somerville line..	66	4410	1842	
*Hampshire Ct. .	Hampshire.....	Cambridge.....	12			190
*Hampshire Pl...	Hampshire.....	Northerly.....	18			122
Hancock.....	Mass. Ave.....	Harvard.....	40	735	1841	
Hancock.....	Harvard.....	Broadway.....	40	450	1859	
Hancock.....	Mass. Ave.....	Franklin.....	26	470	1874	
Hancock.....	Franklin.....	Kinnaird.....	30	164	1905	
*Hancock Pk. . .	Hancock.....	Easterly.....	24			125
*Hancock Pl....	Hancock.....	Easterly.....	20			94
Harding.....	Cambridge.....	Somerville.....	40	550	1874	
Hardwick.....	Portland.....	Berkshire.....	40	300	1900	
*Harold Pl.	Cherry.....	Westerly.....	12			85
*Harrington Pl. .	Washington....	Northerly.....	12			50
*Harris.....	Prentiss.....	Eustis.....	30			426
Harrison.....	Main.....	Washington....	30	378	1873	
Harrison Ave. .	Columbus Ave. .	Whittemore....	40	451	1929	
Harvard.....	Main.....	Mass. Ave.....	50	8400	1808	
*Harvard Pl....	Harvard.....	Northerly.....	20			180
Harvard Sq. . .	Boylston.....	Peabody.....			1635	
Harvey.....	Cedar.....	W. of Montgom'r	30	760	1894	
Harvey.....	W. of Montgom'r	Mass.Cen.R.R. .	30	900	1895	
Harvey.....	Cedar.....	Mass. Ave.....	40	125	1904	
Haskell.....	Mass. Ave.....	Rindge Ave.....	40	503	1893	
Haskell.....	Rindge Ave.....	Pemberton.....	40	772	1893	
Hastings.....	B. & A. R. R. .	Moore.....	30	1143	1873	
*Hastings Ave. .	Phillips Pl....	Berkeley.....	25			537
Hastings Sq. . .	Henry.....	Chestnut.....	40	300	1882	
Hawthorn.....	Brattle.....	Mt. Auburn....	40	662	1880	
Hawthorne Pk. .	Lexington Ave. .	Westerly.....	40	205	1927	
Hayes.....	Putnam Ave....	Howard.....	30	698	1895	
Hayward.....	Main.....	Amherst.....	40	505	1902	
Hazel.....	Field.....	Garden.....	40	258	1896	
Healey.....	Parker.....	Buckingham....	40	430	1912	
*Henderson Ct...	Day.....	Southeasterly...	15			251
Henry.....	Pearl.....	Sidney.....	40	903	1882	
Henry.....	Sidney.....	Waverly.....	40	420	1884	
Herbert.....	Richdale Ave. .	Cambridge Ter..	30	196	1909	
Hews.....	Western Ave....	Grigg.....	40	282	1895	
High.....	Park Ave.....	Holworthy.....	40	506	1896	
Highland Ave...	Broadway.....	Cambridge.....	40	1042	1872	
Highland Pk....	Highland Ave...	Easterly.....	30	148	1920	
Highland.....	Sparks.....	Appleton.....	40	704	1887	
Highland.....	Appleton.....	Reservoir.....	40	643	1870	

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Unaccepted streets marked with an *

List of Streets and Ways in the City of Cambridge, January 1, 1932 — *Continued*

Street Names	From	To	Accepted			Unaccepted Length
			Width	Length	Date	
Hillard	Brattle	Mt. Auburn	30	553	1851	138
*Hilliard Pl.	Hilliard	Westerly	15			
Hillside Ave.	Washington Ave.	Avon Hill	40	350	1882	150
*Hillside Pl.	Avon Hill	Easterly	20			
Hingham	Putnam Ave.	Banks	40	320	1875	160
Hingham	Banks	Memorial Drive	40	205	1915	
Holden	Kirkland	Farrar	40	273	1891	192
Holden	Farrar	Scott	40	410	1901	
Holden Green	Holden	Easterly				160
Hollis	Mass. Ave.	Rindge	30	738	1890	
*Hollis Pk.	Hollis	Westerly	30			192
*Holly	Clark	Brooks	15			
Holly Ave.	Madison	Huron Ave.	30	376	1876	488
Holmes	Park Ave.	Holworthy	40	378	1896	
Holmes Pl.	Mass. Ave.	Kirkland	30	465		372
Holworthy	Fountain Ter.	Huron Ave.	40-50	490	1929	
Holworthy	Mt. Auburn	Fountain Ter.	50	1580	1880	84
*Holworthy Pl.	Holworthy	Park Ave.	20			
Holyoke	Mass. Ave.	South	31	748	1798	94
Holyoke	South	Mill	22	144	1898	
*Holyoke Pl.	Mt. Auburn	Holyoke	30			94
*Hooper Pl.	Mass. Ave.	Westerly	11 $\frac{1}{2}$			
Homer Ave.	Mt. Auburn	Northerly	40	650	1889	94
Houghton	Prospect	Somerville	40	36	1907	
Hovey Ave.	Cambridge	Magnolia Ave.	40	754	1931	94
Howard	Western Ave.	Kinnaird	40	814	1874	
Howard	River	Western Ave.	40	478	1880	94
Howland	Hammond	Wendell	40	272	1894	
Hubbard Ave.	Walden	Westerly	40	500	1883	94
Hubbard Ave.	Raymond	Easterly	40	260	1892	
Hubbard Pk. Rd.	Sparks	Brattle	40	765	1910	94
Hudson	Mass. Ave.	Hudson Pl.	28	430	1876	
*Hudson Pl.	Hudson	Northerly	14			94
Humboldt	Linnaean	Lancaster	30	360	1887	
Hunting	Cambridge	Somerville	40	540	1874	94
Hurlbut	Martin	Linnaean	40	437	1882	
Hurley	First	W. of Sixth	50	1580	1918	94
Huron Ave.	Raymond	Upland Rd.	40	405	1894	
Huron Ave.	Upland Rd.	Concord Ave.	50	1176	1894	94
Huron Ave.	Concord Ave.	Fresh Pond Pky.	70	3851	1892	
Huron Ave.	Fresh Pond Pky.	E. line of F.R.R.	70	982	1891	94
Huron Ave.	E. line of F.R.R.	Cushing	70	1430	1894	
Huron Ave.	Cushing	Grove	70	1540	1880	94
Hutchinson	Appleton	Walden	40	418	1926	
Inman	Hampshire	Broadway	40	1325	1855	94

† Varies in width.

Unaccepted streets marked with an *

List of Streets and Ways in the City of Cambridge, January 1, 1932 — *Continued*

Street Names	From	To	Accepted			Unaccepted Length
			Width	Length	Date	
Inman.....	Broadway.....	Harvard.....	37	390	1890	174
Inman.....	Harvard.....	Austin.....	37	625	1857	
Inman.....	Austin.....	Mass. Ave.....	45	350	1830	
Inman Pl.	Inman.....	West Pl.....	35	184	1900	
*Inman Pl.	West Pl.....	Broadway Ter. .	15			410
Inman Sq.....	Cambridge.....	Hampshire.....			1876	
Irving.....	Cambridge.....	Kirkland.....	40	795	1871	
Irving.....	Kirkland.....	Bryant.....	50	775	1889	
Irving.....	Bryant.....	Francis Ave. . .	40	661	1914	849
*Irving Ter.....	Irving.....	Sumner Rd.....	30			
Ivy.....	Fayerweather...	Garden.....	40	252	1896	
Jackson.....	Rindge Ave.....	Harvey.....	40	1367	1902	
James.....	Brattle.....	Mason.....	40	212	1871	80
*Jarvis.....	Mass. Ave.....	Oxford.....	50			
Jay.....	River.....	Western Ave....	40	404	{ 1881	
Jay.....	Western Ave. . .	Kinnaird.....	40	612	{ 1874	
*Jay St. Pl.....	Jay.....	Easterly.....	10			110
Jefferson.....	Warren.....	Harding.....	34	620	1874	
*Jordan Pl.	Broadway.....	Southerly.....	{ 20			
			{ 30			
Kassul Pk.....	Whittemore Ave.	Northerly.....	35	205	1930	302
Kelley Sq.	Bridge.....	Gore.....			1900	
Kendall Sq.....	Main.....	Broadway.....			1856	
*Kennedy Rd....	Brattle.....	Northerly.....	30			
Kenway.....	Doane.....	Gibson.....	30	215	1928	100
Kenwood.....	Putnam Ave....	Allston.....	30	310	1901	
*Kenwood.....	Allston.....	Northerly.....	30			
Kimball.....	Seagrave Rd....	Whittemore	40	345	1930	
*Kimball Lane .	Hollis.....	Northerly.....	20			150
*King.....	Walden.....	Easterly.....	30			
*King Pl.....	Amory.....	Westerly.....	30			
Kingsley Pk. . .	Fresh Pond	Fitchburg R.R. .				
Kinnaird.....	Pleasant.....	River.....	40	45	1848	500
Kinnaird.....	River.....	Western.....	40	320	1886	
Kinnaird.....	Western Ave....	Bay.....	40	1125	1874	
Kinnaird.....	Bay.....	Putnam Ave....	35	503	1874	
Kirkland.....	Peabody.....	Somerville.....	66	2986	1635	150
*Kirkland Pl. . .	Kirkland.....	Northerly.....	30			
Kirkland Rd....	Kirkland.....	Southerly.....	30	230	1898	
Lafayette Sq. . .	Columbia.....	Mass. Ave.....			1881	
Lake.....	Pearl.....	Magazine.....	40	440	1874	144
Lake View Ave.	Brattle.....	Fresh Pond Ave.	50	2940	1874	
Lambert.....	Gore.....	Cambridge.....	30	370	1874	
*Lamont Ave....	Magnolia Ave.. .	Southerly.....	30			
*Lamson Pl.	Essex.....	Easterly.....	20			1883
Lancaster.....	Mass. Ave.....	W. of Humboldt.	{ 30	539		
Lancaster.....	Washington Ave.	W. of Humboldt.	{ 40	420	1886	

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Unaccepted streets marked with an *

List of Streets and Ways in the City of Cambridge, January 1, 1932 — Continued

Street Names	From	To	Accepted			Unaccepted Length
			Width	Length	Date	
†Langdon.....	Mass. Ave.....	Chauncy.....	{ 40 60 30	225 275 225	1898	
Langdon Sq. ...	Langdon.....				1898	
Landsdowne ...	Mass. Ave.....	Green.....	50	257	1895	
Landsdowne ...	Green.....	Franklin.....	50	275	1910	
Landsdowne ...	Franklin.....	Pacific.....	50	704	1926	
Larch Rd.	Brattle.....	Wyeth Ter.	40	2196	1883	
Larchwood Drive	Fresh Pond Pky.	Southerly.....	{ 50 40	230 1677	1916 1916	
Larchwood Drive	Huron.....	Southerly.....	30	304	1904	
Laurel.....	Pleasant.....	River.....				
*Lawn Ct.....	May.....	East of May ...	40			
Lawn.....	Cushing.....	May.....	30	640	1915	
Lawn.....	May.....	Oxford Ave.....	40	362	1915	
Lawrence.....	Pearl.....	Magazine.....	40	447	1873	
Lechmere Sq. ...	Bridge.....	Cambridge.....			1635	
Lechmere.....	Commercial Ave.	Westerly.....	40	200	1917	
Lee.....	Mass. Ave.....	Broadway....	45	1215	1809	
Leonard Ave. ...	Cambridge.....	Line.....	40	685	1895	
Lexington Ave.	Brattle.....	Fresh Pond Ave.	45	2637	1874	
*Lilac Ct.....	Portland.....	Westerly.....	16			120
Lincoln.....	Willow.....	Norton Sq.....	40	170	{ 1900	
Lincoln.....	Norton Sq.....	Elm.....	40	600	1873	
Lincoln Lane...	Fayerweather...	Westerly.....	25	265	1921	
*Lincoln Pl.....	Lincoln.....	Northerly.....	20			150
Linden.....	Mass. Ave.....	Mt. Auburn....	25	371	1803	
Line.....	Kirkland.....	Cambridge.....	33	1835	1902	
*Linehen Ct.....	Third.....	Westerly.....	10			107
Linnaean.....	Mass. Ave.....	Garden.....	50	2183	1724	
*Linwood Pl....	Broadway.....	Northerly.....	20			80
*Livermore Pl. ...	Union.....	Westerly.....	18			114
Locke.....	Meacham Rd. ...	beyond Frank ..	30	693	1892	
Locust.....	Holworthy.....	Cushing.....	40	295	1880	
*Locust Ter.	Locust.....	Northerly.....	20			190
*Longfellow Pk. .	Brattle.....	Southerly.....				300
Longfellow Rd.	Mt. Auburn....	Northerly.....	35	334	1923	
*Loomis.....	Griswold.....	Easterly.....	40			629
Lopez.....	Brookline.....	Pearl.....	40	475	1874	
*Loughrey Ave. .	Carleton.....	Pelham.....	12			200
Lowell.....	Brattle.....	Mt. Auburn....	40	887	1884	
†Lowell Pk.....						
*Lyman Ter.....	School.....	Northeasterly ..	15			100
Lowland Ave. ...	Spring.....	Hurley.....	40	200	1906	
Lowland Ave. ...	Hurley.....	Charles.....	34	200	1905	
Madison Ave. ...	Columbus Ave. .	Whittemore Ave.	40	617	1907	
Madison.....	Concord Ave....	Garden.....	30	693	1904	

† Varies in width.
Unaccepted streets marked with an *

List of Streets and Ways in the City of Cambridge, January 1, 1932 — *Continued*

Street Names	From	To	Accepted			Unaccepted Length
			Width	Length	Date	
Magazine	Central Sq.	Florence	50	3490	{ 1845	200
Magazine	Florence	Memorial Drive .	50	690	{ 1895	
*Magazine Ct. . . .	Allston	Kenwood	20			
Magee	Putnam Ave. . . .	Easterly	40	339	1897	
Magee	Grigg	Northerly	40	412	1877	
Magnolia Ave. . .	Baldwin	Line	40	668	1896	85
Magoun	Mass. Ave.	Whittemore Ave.	40	675	1901	
†Main	Longfellow Brg.	Broadway	116.3	71320	1855	
Main	Broadway	Mass. Ave.	70	4430	1855	
Manassas Ave. . .	Concord Ave. . . .	Southerly	24	200	1908	
Manassas Ave. . .	Huron Ave.	Southwesterly . .	35	330	1927	
Malcolm Rd. . . .	Lake View Ave. . .	Standish	40	300	1913	
Maple Ave.	Broadway	Cambridge	40	1152	1862	
*Marcella Ct. . . .	Marcella	Northerly	15			
Marcella	Portland	Berkshire	40	300	1901	
Marie Ave.	Maple Ave.	Highland Ave. . .	35	299	1906	
Marion	Cambridge	Jefferson	30	350	1887	
Market	Broadway	Elm	42	1450	1852	
Marney	Portland	Berkshire	40	300	1898	
Martin	Mass. Ave.	Bowdoin	40	344	1882	
Martin	Bowdoin	Avon	35	514	1894	80
*Marvin Pl.	Columbia	Easterly	12			
Mason	Brattle	Garden	50	606	1635	
Mass. Ave.	Harvard Bridge .	Columbia	90	3314	1889	
Mass. Ave.	Columbia	Pleasant	103	1725		
Mass. Ave.	Pleasant	Putnam Ave. . . .	{ 103	2590	1635	
Mass. Ave.	Putnam Ave. . . .	Harvard	63	960	1635	
Mass. Ave.	Harvard	Harvard Sq.	70	1100	1635	
†Mass. Ave.	Harvard Sq.	Everett St.	{ 66	2390	1635	
†Mass. Ave.	Everett	Alewife Brook . .	{ 160			
			{ 98	9650	1635	
			{ 100			
*May	Lawn Ct.	N. of Vineyard . .	40			455
*Maynard Pl. . . .	Mt. Auburn	Northerly	20			283
Max Ave.	Cambridge St. . .	Otis	23-26			200
McCarthy Rd. . .	Cowperthwaite . .	Flagg	40	374	1874	100
*McDonald Ct. . .	Reed	Westerly	15			
*McLean Pl.	Cedar	Westerly	30			120
Meacham Rd. . .	Mass. Ave.	Somerville Line .	40	413	1880	
Mead	Walden	Cogswell Ave. . .	40	340	1873	
Meadow Way . . .	Larchwood Drive .	Fresh Pond Pky .	40	925	1916	
Mechanic Sq. . .	Hampshire	Broadway			1900	
Mellen	Mass. Ave.	Oxford	50	845	1873	
†Memorial Drive .	See Last Page . .					
Mercer Circle . .	Brattle	Sparks	40	445	1885	

† Varies in width.

Unaccepted streets marked with an *

List of Streets and Ways in the City of Cambridge, January 1, 1932 — *Continued*

Street Names	From	To	Accepted			Unaccepted Length
			Width	Length	Date	
*Merriam	Sidney	Waverly	40			358
Merrill	Broadway	Chatham	35	235	1909	
Middlesex	Rindge Ave.	Wilson Ave.	40	308	1895	
Middlesex	Wilson Ave.	Pemberton St.	40	601	1905	194
*Middlesex	Pemberton	F. R. R.	40			
*Mifflin Pl.	Mt. Auburn	Northerly	25			196
Mill	DeWolfe	Holyoke	35	686	1874	115
Miller Ave.	Orchard	Elm	24	336	1907	
Milton	Mass. Ave.	Somerville	31.67	287	1893	
Montague	Western Ave.	Southerly	40	230	1916	
Montague	River	Northeasterly	40	120	1916	
Montgomery	Rindge Ave.	Harvey	40	1360	1896	
Moore	Main	Washington	30	465	1872	
Moore	Washington	Harvard	30	350	1840	
Moore	Harvard	Broadway	30	295	1852	
*Morrison Ct.	Yorktown	Westerly	20			
Moulton St.	Concord Ave.	Northerly	40			760
Mt. Auburn	Putnam Sq.	Holyoke	50	1540	1808	100
Mt. Auburn	Holyoke	Brattle Sq.	50	886	1635	
Mt. Auburn	Brattle Sq.	Elmwood Ave.	66	4586	1808	
†Mt. Auburn	Elmwood Ave.	Watertown Line	{ 63 125	3380	1635	
*Mt. Auburn Pl.	Mt. Auburn	Southerly	12			110
Mt. Pleasant	Upland Road	Walden	40	584	1877	300
Mt. Vernon	Mass. Ave.	Upland Rd.	50	802	1884	
Muller Ave.	Churchill Ave.	Murray Hill Rd.	40	393	1930	
*Mullins Ct.	Winter	Southerly	20			
Munroe	First	Third	50	1094	1902	
†Munroe	First	Commercial Ave.		162	1925	
Munroe	Third	Sixth	50	896	1890	
*Munson	Washington	Harvard	30			
*Murdock	Hampshire	Gardner	16			
Murray Hill Rd.	Guyette Rd.	Alewife Brook	40	690	1928	
Museum	Carver	Somerville	40	180	1902	50
Museum	Gorham	Carver	40	687	1915	
Myrtle Ave.	Magnolia Ave.	Kirkland	30	515	1893	
*Myrtle Pl.	Moore	Westerly	10			
*Neil	Jackson	Clifton	20			
New	Concord Ave.	Northerly	40	700	1874	
Newell St.	Upland Rd.	Walden	40	411	1923	
*Newell Ter.	Upland Rd.	Ely	30			
Newman	Mass. Ave.	Foch St.	30	257	1906	
Newport Rd.	Mass. Ave.	Easterly	35	280	1917	
Newport Rd.	Ang. E. Mass. Av.	Forest	24		1917	178
Newton	Putnam Ave.	Chestnut	40	300	1917	
*Nichols Pl.	Baldwin	Westerly	{ 13 17			115
						72

† Varies in width.
Unaccepted streets marked with an *

List of Streets and Ways in the City of Cambridge, January 1, 1932 — *Continued*

Street Names	From	To	Accepted			Unaccepted Length
			Width	Length	Date	
Ninth.....	Cambridge.....	Otis.....	50	205	1876	700
Ninth.....	Otis.....	Spring.....	50	500	1884	
Ninth.....	Spring.....	Hurley.....	50	251	1896	
Ninth.....	Hurley.....	Charles.....	50	250	1912	
*Ninth.....	Charles.....	Binney.....	50			
Ninth.....	Binney.....	Potter.....	50	327	1882	
Norfolk.....	Mass. Ave.....	Broadway.....	40	1582	1809	215
Norfolk.....	Broadway.....	Hampshire.....	40	920	1848	
Norfolk.....	Hampshire.....	Cambridge.....	40	760	1873	
Norfolk.....	Cambridge.....	Somerville.....	40	450	1874	
*Norfolk Ct.	Norfolk.....	Elm.....	20			
*Norfolk Pl.	Norfolk.....	Westerly.....	10			
Norman.....	Belmont.....	Northerly.....	40	270	1921	205
Normandy Ave.	Blanchard Rd....	Normandy Ter.	40	1020	1928	
*Normandy Ter..	end Norm'y Ave.		40			
Norris.....	Mass. Ave.....	Cedar.....	40	663	1883	
††Northern Art.	First.....	Somerville Line	100	5740	1926	
*Norton Pl.....	Martin.....	Southerly.....	12			
Norton Sq.....	Windsor.....	Lincoln.....				85
Norumbega.....	Belmont.....	Northerly.....	40	208	1919	
Notre Dame Ave.	Middlesex.....	Sargent.....	40	306	1922	
Nutting Rd.	Mt. Auburn.....	Southerly.....	30	260	1896	
Oak.....	Cambridge.....	Somerville.....	30	270	1883	
Oakland.....	Cambridge.....	Somerville Line	30	300	1926	
Oakland Circle .	Oak.....	Easterly.....	30	110	1926	100
*Olive Pl.....	Montgomery	Westerly.....	15			
Oliver.....	Huron Ave.	Orrin.....	30	360	1886	
Orchard.....	Davenport.....	Beech.....	40	400	1865	
Orchard.....	Beech.....	Russell.....	40	912	1859	
Orrin.....	Garden.....	Winslow.....	30	295	1886	
Osborn.....	Main.....	State.....	40	227	1893	77
Osborn.....	State.....	Albany.....	35	465	1895	
Otis.....	First.....	Second.....	50	400	1863	
Otis.....	Second.....	Sixth.....	50	1500	1831	
Otis.....	Sixth.....	Ninth.....	40	575	1874	
Otis.....	Ninth.....	Westerly.....	40	123	1909	
*Otis.....	B. & A. R. R.	Easterly.....	40			72
Oxford.....	Kirkland.....	Everett.....	50	1255	1847	
Oxford.....	Everett.....	Somerville Line	50	2225	1872	
Oxford Ave.....	Fairview Ave.	Belmont Line...	40	285	1905	
*Oxford Ave.....	Fairview Ave.	Easterly.....	40			
Pacific.....	Albany.....	Sidney.....	40	730	1875	
Pacific.....	Sidney.....	Brookline.....	40	490	1902	337
Palermo.....	Willow.....	Windsor.....	40	312	1898	
*Palmer.....	Brattle.....	Church.....	25			

† Varies in width.
† Laid out and constructed under special act of Legislature June 5, 1924, and includes Bridge Street (which see).
Unaccepted streets marked with an *

List of Streets and Ways in the City of Cambridge, January 1, 1932 — *Continued*

Street Names	From	To	Accepted			Unaccepted Length
			Width	Length	Date	
Park.....	Magazine.....	Pleasant.....	40	513	1876	83
Park Ave.	Huron Ave.	Holworthy.....	50	956	1896	
Parker.....	Concord Ave....	Buckingham....	40	723	1891	
*Parkway Ter. .	Fresh Pond Pk'y	Easterly.....	25			
Peabody.....	Harvard Sq.....	Kirkland.....	66	440	1886	
Pearl.....	Mass. Ave.....	N. of Erie.....	40	2015	1822	70
Pearl.....	N. of Erie.....	Granite.....	40	1825	1871	
*Pearl St. Pl....	Pearl.....	Easterly.....	20			
Pearl Ter. . . .	Pearl.....	Easterly.....	30	360	1911	
*Pelham.....	Broadway.....	Main.....	30			
*Pemberton Ct. .	Pemberton.....	Southerly.....	20			110
Pemberton.....	Rindge.....	Angle.....	40	958	1891	
Pemberton.....	Angle.....	Middlesex.....	40	622	1909	
Pemberton.....	Middlesex.....	Sherman.....	30	600	1909	
*Pemberton Ter.	Pemberton.....	Easterly.....	15			
*Percy Pl.....	Essex.....	Easterly.....	20			145
Perry.....	Pearl.....	Magazine.....	40	448	1873	
Peters.....	Allston.....	Putnam Ave....	40	301	1896	
Phillips Pl.....	Mason.....	Angle.....	30	315	1922	
Phillips Pl.....	Angle.....	Berkley.....	35	103	1922	
Pilgrim.....	Brookline.....	Sidney.....	40	500	1893	288
*Pilgrim.....	Sidney.....	Landsdowne....	40			
Pine.....	School.....	Washington	30	440	1845	
Pine.....	Washington	Harvard.....	30	580	1840	
*Pioneer Ave. . .	Broadway.....	Pelham.....	{ 12 20			
Pleasant.....	Mass. Ave.....	Auburn.....	40	715	1845	355
Pleasant.....	Auburn.....	Florence.....	40	2910	1873	
Pleasant.....	Florence.....	Memorial Drive	40	400	1900	
*Pleasant Pl....	Pleasant.....	Easterly.....	30			
Plymouth.....	Portland.....	Webster Ave....	40	668	1894	
Plymouth.....	Webster Ave....	Hampshire.....	40	400	1883	120
Plympton.....	Mass. Ave.....	Bow.....	30	365	1803	
Plympton.....	Bow.....	Riverview Ave. .	40	616	1890	
*Plympton Pl....	Plympton.....	Westerly.....	10			
*Pond Pl.....	Putnam Ave....	Easterly.....	10			
Poplar Rd.....	Lexington Ave. .	Wyeth Ter.	40	296	1920	100
*Porter Circle . .	Porter Rd.....	Northerly.....	25			
*Porter Pk.....	Porter Rd.....	Southerly.....	20			
Porter Rd.....	Mass. Ave.....	Westerly.....	40	847	1900	
Porter Sq.	Mass. Ave.....	Somerville Ave.			1896	
Porter.....	Warren.....	Harding.....	34	641	1874	866
Portland.....	Main.....	Cambridge.....	50	3529	1872	
Portland.....	Albany.....	Main.....	50	400	1875	
Portsmouth....	Webster Ave....	Hampshire.....	40	327	1892	
*Potter.....	Third.....	Sixth.....	50			

† Varies in width.
Unaccepted streets marked with an *

List of Streets and Ways in the City of Cambridge, January 1, 1932 — *Continued*

Street Names	From	To	Accepted			Unaccepted Length
			Width	Length	Date	
Potter.....	Sixth.....	Ninth.....	50	396	1882	
*Potter Pk.	Linnaean	Southerly.....	25			160
Prentiss	Mass. Ave.....	Frost.....	30	413	1898	
Prentiss	Frost.....	Oxford.....	40	395	1879	
Prentiss	Oxford.....	Somerville Line .	40	315	1900	
Prescott.....	Harvard.....	Broadway.....	40	785	1858	
Prescott.....	Broadway.....	Cambridge.....	40	290	1871	
Prince.....	Magazine.....	Pleasant.....	30	530	1870	
*Princeton Ave. .	Mass. Ave.....	Westerly.....	100			120
Prospect.....	Mass. Ave.....	Austin.....	50	290	1865	
Prospect.....	Austin.....	Somerville	50	3030	1849	
*Purrington.....	Cross.....	Pacific.....	50			862
Putnam Ave....	Mass. Ave.....	Western Ave....	40	2025	1840	
Putnam Ave....	Western Ave....	Pleasant.....	50	1530	1873	
Putnam Ave....	Pleasant.....	Waverly.....	40	2220	1876	
*Putnam Ct.....	Putnam Ave....	Southerly.....	30			110
Putnam Sq.....	Mt. Auburn....	Mass. Ave.....			1893	
Quincy.....	Quincy Sq.....	Kirkland.....	40	1406	1853	
Quincy Sq.....	Quincy.....	Mass. Ave.....			1876	
Raymond.....	Linnaean	Walden.....	40	1719	1856	
Raymond.....	Walden.....	Richdale.....	40	825	1896	
*Reardon.....	Waverly.....	Anglim.....	30			265
Reed.....	Rindge Ave....	Harvey.....	40	1358	1874	
*Reed St. Ter. .	Reed.....	Montgomery ...	7			280
Regent.....	Mass. Ave.....	Fitchburg R.R. .	40	500	1877	
Remington.....	Mass. Ave.....	Harvard.....	40	361	1861	
Reservoir.....	Fayerweather...	Vassal Lane....	50	1666	1863	
*Revere Pl.....	Mt. Auburn....	Gerry.....	15			254
Rice.....	Mass. Ave.....	Rindge Ave....	40	983	1864	
*Rice Circle....	Rice.....	Northerly.....	21			150
Richard Ave....	Mass. Ave.....	Northerly	40	368	1929	
*Richardson ...	Norfolk.....	Elm.....	20			220
Richdale Ave. .	Upland Rd.	Walden.....	45	1057	1893	
Richdale Ave. .	Raymond.....	Walden.....	40	975	1885	
Riedesel Ave. .	Brattle.....	Brewster.....	35	350	1890	
Rindge Ave. ...	Mass. Ave.....	Cedar.....	50	1650	1870	
Rindge Ave. ...	Cedar.....	L. & A. R.R. ...	40	3450	1870	
Rindge Field ...	Haskell.....	Yerxa Rd.				
*Rindge Ter....	Rindge Ave....	Northerly.....	20			110
Rindgefield St. .	Rindge Ave....	Hollis.....	32.5	475	1911	
River.....	Central Sq.....	Memorial Drive	50	3490	1858	
*Riverside Pl. ...	Western Ave....	Northerly.....	20			120
Riverside Rd. .	Magazine St. ...	Northerly.....	40			384
Riverview Ave.	DeWolfe.....	Westerly.....	35	625	1874	
Rockingham ...	Henry.....	Granite.....	40	380	1885	
*Rockingham Pl.	Rockingham ...	Easterly.....	18			120

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Unaccepted streets marked with an *

List of Streets and Ways in the City of Cambridge, January 1, 1932 — *Continued*

Street Names	From	To	Accepted			Unaccepted Length
			Width	Length	Date	
Rockwell	Pleasant	River	30	383	1895	
Rogers	Commercial Ave.	Third	50	1430	1925	
*Rogers Ct.	Portland	Burleigh	35			255
*Rollins Ct.	Watson	Southerly	10			130
Roseland	Mass. Ave.	Somerville	40	576	1862	
*Ross	Gerry	Brewer	20			135
Royal Ave.	Huron Ave.	Concord Ave.	40	540	1902	
Russell	Mass. Ave.	Somerville	40	280	1859	
Rutland	Shepard	Langdon	40	336	1903	
Sacramento	Mass. Ave.	Somerville	40	1725	1854	
Sacramento Pl.	Sacramento	Northerly	24	246	1921	
*Saginaw Ave.	Elm	Davenport	25			275
*St. Clair Pl.	Mass. Ave.	Southerly	10			150
*St. Paul	Prospect	Westerly	{ 30			285
			{ 35			200
*St. Gerard Ter.	Hollis	Easterly	12			125
*St. John's Rd.	Phillips Pl.	Westerly	12			110
Salem	Auburn	Watson	27	260	1877	
Sargent	Rindge Ave.	Pemberton	30	841	1900	
Saville	Appleton	Walden	40	357	1893	
Saville	Walden	Fayerweather	40	448	1918	
School	Portland	Moore	40	391	1872	
School	Moore	Windsor	40	494	1889	
School	Windsor	Austin	30	640	1845	
*School St. Pl.	School	Northerly	12			60
Scott	Irving	Somerville Line	50	929	1889	
Seagrave Rd.	Kimball St.	Whittemore Ave.	25	685	1930	
Seckel	Webster Ave.	Windsor	30	275	1887	
Second	Gore	Cambridge	40	510	1829	
Second	Cambridge	Thorndike	50	250	1833	
Second	Thorndike	Spring	50	250	1845	
Second	Spring	Charles	50	500	1877	
Second	Charles	Binney	50	750	1899	
Second	Binney	Athenaeum	50	450	1902	
*Second St. Ct.	Second	Easterly	20			100
*Sedgwick Rd.	Kirkland St.	Northerly		100		
Seven Pines Ave.	Cameron Ave.	Yorktown	40	321	1907	
Seventh	Gore	Cambridge	30	265	1897	
Seventh	Cambridge	Near Spring	40	615	1876	
Seventh	Spring	Northerly	40	88	1895	
*Shady Hill Sq.	Holden	Easterly				
*Shaler Lane	Mt. Auburn	Doane				280
Shepard	Mass. Ave.	Garden	40	1500	1852	
*Sheridan	Raymond	Wood	40			505
*Sheridan Sq.	Cedar	Rindge Ave.			1897	
Sherman	Garden	Angle	40	1910	1860	

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Unaccepted streets marked with an *

List of Streets and Ways in the City of Cambridge, January 1, 1932 — *Continued*

Street Names	From	To	Accepted			Unaccepted Length
			Width	Length	Date	
Sherman.....	Angle.....	Rindge Ave.....	40	1750	1822	160
*Sibley Ct.....	Sparks.....	Westerly.....	15			
Sidney.....	Mass. Ave.....	Auburn.....	40	675	1873	
Sidney.....	Auburn.....	Pacific.....	40	500	1875	
Sidney.....	Pacific.....	Henry.....	40	2391	1900	
Sixth.....	Gore.....	Thorndike.....	50	690	1829	
Sixth.....	Thorndike.....	Spring.....	50	250	1845	425
Sixth.....	Spring.....	Broad Canal...	50	1980	1874	
Sixth.....	Broad Canal...	Broadway.....	50	190	1873	
Sixth.....	Broadway.....	Harvard.....	50	390	1872	
*Smart.....	State.....	Mass. Ave.....	30			
Smith Pl.....	Concord Ave....	Northerly.....	33	750	1928	
Smith Sq.....	Harvard.....	Main.....				80
Soden.....	Western Ave....	Franklin.....	40	463	1874	
*Soden Pl.....	Soden.....	Westerly.....	10			
Somerville Ave..	Somerville Line	Porter Sq.....	{ 70 120	440	1872	
*S.Normandy Av.	Blanchard Rd...	Normandy Ave..	40			
South.....	Holyoke.....	Boylston.....	21	446	1635	184
Sparks.....	Mt. Auburn....	Brattle.....	40	1090	1873	
Sparks.....	Brattle.....	Huron Ave....	40	1355	1860	
*Sparks St. Pl. .	Sparks.....	Easterly.....	15			
Spring.....	First.....	Second.....	50	400	1900	
Spring.....	Second.....	Sixth.....	50	1627	1845	
Spring.....	Sixth.....	Ninth.....	50	530	1884	260
*Spring Pl.....	Spring.....	Southerly.....	5			
Springfield.....	Cambridge.....	Somerville Line .	40	226	1876	
*Spruce Ave.....	Holworthy.....	Cushing.....	30			
*Squires Pl.....	Gore.....	Southerly.....	20			
Standish.....	Huron Ave....	Vassal Lane....	40	950	1917	
State.....	Mass. Ave.....	Easterly.....	40	120	1813	150
State.....	Osborn.....	Near Mass. Ave.	40	802	1891	
Stearns.....	Garden.....	Esten.....	40	606	1903	
Stearns.....	Esten.....	Newell.....	40	100	1927	
Sterling.....	Banks.....	Memorial Drive	40	257	1916	
*Stevens Ct.	Fourth.....	Westerly.....	15			
*Stinson Ct.	Allston.....	Southerly.....	12			175
*Stone Ct.....	Mass. Ave.....	Westerly.....	19			130
Story.....	Brattle.....	Mt. Auburn....	33	470	1865	220
Suffolk.....	Columbia.....	Norfolk.....	30	520	1834	
*Sullivan Pl.	River.....	Northerly.....	10			
Summer.....	Prospect.....	Amory.....	30	250	1876	
Summer.....	Amory.....	Inman.....	30	250	1884	
Sumner Rd.....	Cambridge.....	Kirkland.....	40	580	1844	
Surrey.....	Putnam Ave....	Banks.....	40	280	1885	150
*Sycamore.....	Walden.....	Easterly.....	30			
Talbot.....	Waverly.....	B.A.R.R.	30	203	1879	

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Unaccepted streets marked with an *

List of Streets and Ways in the City of Cambridge, January 1, 1932 — *Continued*

Street Names	From	To	Accepted			Unaccepted Length
			Width	Length	Date	
Taylor Sq.	Huron Ave.	Garden.			1921	
*Tech.	Ames.	Vassar.	50			1100
Temple.	Mass. Ave.	Austin.	36	284	1865	
Tenney.	Orchard.	Elm.	24	373	1907	
Thingvalla Ave.	Cushing.	Belmont Line. .	40	816	1928	
*Third.	E. C. Depot. . .	Bridge St.	45			120
Third.	Bridge.	Cambridge.	50	495	1829	
Third.	Cambridge.	Charles.	50	1458	1832	
Third.	Charles.	Broad Canal. . .	60	1517	1832	
Third.	Broad Canal. . .	Main.	50	352	1832	
Third.	Broad Canal. . .	Broadway.	60	190	1927	
Thomas Pk.	1722 Mass. Ave.	Southerly.				
Thorndike.	First.	Second.	50	400	1874	
Thorndike.	Second.	Third.	50	345	1829	
Thorndike.	Third.	Sixth.	50	1253	1829	
Thorndike.	Sixth.	Ninth.	40	530	1893	
Thorndike.	Ninth.	B. & A. R.R. . .	40	310	1898	
*Thorndike.	B. & A. R.R. . .	Portland.	40			210
*Thornton Ter. .	Portland.	B. & A. R.R. . .	40			210
*Torrington Pl. .	Washington. . .	Northerly.	15			150
Traill.	Mt. Auburn. . .	Elmwood Ave. . .	40	460	1892	
Traymore.	Eustis.	Harris.	30	255	1900	
Tremont.	Broadway.	Hampshire.	40	1000	1851	
Tremont.	Hampshire.	Somerville Line .	40	1050	1874	
Trowbridge.	Mass. Ave.	Harvard.	40	505	1871	
Trowbridge.	Harvard.	Broadway.	40	649	1873	
Trowbridge. . .	Broadway.	Cambridge.	40	600	1871	
Trowbridge.	Cambridge.	Kirkland.	40	930	1880	
*Trowbridge Pl. .	Trowbridge.	Westerly.	30			80
*Trowbridge Ter. .	Trowbridge.	Easterly.	15			100
Tudor Pk.	Fresh Pond Ave.	Fresh Pond.			1880	
Tudor.	Brookline.	Sidney.	40	457	1919	
Tufts.	Pearl.	Magazine.	40	472	1874	
Turner Ct.	Columbia.	Northeasterly . .				
Tuttle.	Donnell.	Huron Ave.	30	596	1905	
*Tyler Ct.	Mass. Ave.	Southerly.	20			210
Union.	Market.	Hampshire.	30	350	1882	
Union.	Hampshire.	Lincoln.	30	643	1889	
*Union Pl.	Union.	Westerly.	16			110
*Union Ter.	Union.	Westerly.	16			105
*University Rd. .	Mt. Auburn. . .	Angle.	40			200
*University Rd. .	Angle.	Nr. Memorial Dr.	35			360
Upland Rd.	Mass. Ave.	Mt. Pleasant. . .	50	1470	1881	
Upland Rd.	Mt. Pleasant. . .	Huron Ave.	50	1317	1894	
Upton.	Magazine.	Pleasant.	40	499	1873	
*Vail Ct.	Austin.	Northerly.	25			330

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Unaccepted streets marked with an *

List of Streets and Ways in the City of Cambridge, January 1, 1932 — *Continued*

Street Names	From	To	Accepted			Unaccepted Length
			Width	Length	Date	
Valentine	Brookline	Pearl	40	484	1877	
Vandine	Portland	Berkshire	25	300	1909	
Van Norden	Middlesex	Yerxa Rd.	40	338	1903	
Vassal Lane	Huron Ave.	Lake View Ave.	40	2200	1888	
Vassar	Mass. Ave.	Main	60	1540	1927	
Vassar	Mass. Ave.	Danforth	50	508	1895	
Vassar	Danforth	Fowler	60	1115	1915	
Vassar	Fowler	Amesbury	60	1590	1927	
Vassar	Amesbury	Westerly	60	454	1927	
Vassar	Memorial Drive	Northerly	60	375	1924	
Vernon	Mass. Ave.	Green	40	205	1874	
*Vernum	Pemberton	Northerly	30			280
*Village	State	Mass. Ave.	20			220
Vincent	Upland Rd.	Walden	40	357	1889	
Vineyard	Cushing	May	40	365	1876	
Wadsworth	Main	Charles River Rd.	40	661	1902	
*Walden Pk.	Walden	Westerly	30			85
Walden	Mass. Ave.	F. R. R.	40	830	1860	
Walden	F. R. R.	Vassal Lane	50	3900	1860	
Walker	Garden	Shepard	40	810	1875	
Walker	Shepard	Linnaean	40	825	1894	
*Walker Ct.	Flagg	Southerly	20			160
*Walker St. Pl.	Walker	Southerly	30			80
*Walker Ter.	Walker	Southerly	12			120
Walnut Ave.	Arlington	Upland Rd.	70	476	1882	
Ware	Harvard	Broadway	40	690	1880	
Warland	Magazine	Pleasant	40	525	1867	
Warland	Pleasant	River	40	247	1902	
Warren	Cambridge	Somerville Line	40	485	1874	
*Warren Pl.	Banks	Westerly	10			120
Warwick Pk.	Pemberton	Easterly	35	180	1911	
Washburn Ave.	Mass. Ave.	Somerville Line	{ 30 40	550 135	1911 1911	
*Washburn Ter.	Washburn Ave.	Easterly	20			160
Washington Ave.	Linnaean	Hillside Ave.	50	545	1888	
Washington Ave.	Hillside Ave.	Upland Rd.	50	645	1882	
*Washington Ct.	Washington	Northerly	15			150
Wash'ton Elm Sq.	Garden	Mason				
Washington Sq.	Waverly	Talbot			1775	
Washington	Main	Moore	40	1165	1845	
Washington	Moore	Columbia	40	1020	1836	
Washington	Columbia	Norfolk	30	535	1847	
Water	Northern Artery	Northerly	50	78	1829	
Waterhouse	Garden	Mass. Ave.	54	710	1724	
*Waterman Rd.	Standish	Easterly	20			198
Watson	Brookline	Pearl	40	460	1873	

† Varies in width.

Unaccepted streets marked with an *

List of Streets and Ways in the City of Cambridge, January 1, 1932 — *Continued*

Street Names	From	To	Accepted			Unaccepted Length
			Width	Length	Date	
*Waverly	Henry	Putnam Ave. . . .	40			450
Waverly	Putnam Ave. . . .	Erie	40	800	1879	
Waverly	Erie	S. of Pacific . . .	40	416	1912	
Waverly	S. of Pacific . . .	Pacific	50	531	1912	
Webster Ave. . .	Hampshire	Windsor	50	1587	1880	
Webster Ave. . .	Windsor	Somerville Line .	50	1050	1856	
*Wellesley	Mass. Ave.	Vassar	50			350
Wendell	Mass. Ave.	Oxford	50	986	1873	
Wendell	Oxford	Carver	40	765	1894	
*West Pl.	Broadway	West	15			230
West	Inman	Lee	37	585	1900	
*Westacott Ct. .	Putnam Ave. . . .	Northerly	14			114
*Westley	Harvey	Fitchburg R.R. .	30			160
Western Ave. . .	Mass. Ave.	Memorial Drive	66	3344	1855	
*Wheeler	Concord Ave. . . .	Northerly	40			1240
White	Somerville Ave.	White St. Pl. . . .	30	330	1885	
White	White St. Pl. . . .	Elm	30	273	1893	
Whitney Ave. . .	Putnam Ave. . . .	Chestnut	30	300	1891	
*Whitney Ct. . .	Essex	Easterly	10			80
Whittemore Ave.	Magoun	Harrison Ave. . .	40	731	1906	
Whittemore Ave.	W. of Harrison Av.	Seagrave Rd. . . .	40	820	1930	
Whittier	Upland Rd.	Walden	40	362	1889	
Wilbur	Harvey	Southerly	40	400	1903	
Willard	Brattle	Mt. Auburn	40	786	1874	
*Willard St. Ct. .	Willard	Easterly	20			200
William	Pearl	Magazine	40	450	1875	
William	Magazine	River	40	395	1857	
Willow	Webster Ave. . . .	Cambridge	40	978	1896	
Willow	Cambridge	Somerville Line .	30	530	1874	
*Wilson Ave. . . .	Middlesex	Easterly	40			165
Wilson Sq.	Pleasant	River				
Windsor	Main	State	40	188	1887	
Windsor	State	Mass. Ave.	40	350	1889	
Windsor	Main	School	40	200	1848	
Windsor	School	Webster Ave. . . .	50	2745	1809	
Windsor	Webster Ave. . . .	Cambridge	50	430	1848	
Windsor	Cambridge	Northerly	38	317	1891	
Windsor	Camb. St. n'ly . .	Somerville Line .	38	123	1907	
Winslow	Oliver	Easterly	30	710	1886	
Winslow	Oliver	Southwesterly . .	30	100	1931	
Winter	Third	Fourth	50	582	1850	
Winter	Fourth	Fifth	50	398	1859	
*Winthrop	Holyoke	Eliot Sq.	{ 20			196
Winthrop Sq. . .	Boylston	Mt. Auburn	30		1635	510
Wood	Walden	Sheridan	40	380	1930	

† Varies in width.

Unaccepted streets marked with an *

List of Streets and Ways in the City of Cambridge, January 1, 1932 — *Concluded*

Street Names	From	To	Accepted			Unaccepted Length
			Width	Length	Date	
Woodbridge	Mass. Ave.	Locke	40	375	1892	
Worcester	Columbia	Norfolk	32	480	1873	
Worthington . . .	Lake View Ave. .	Lexington Ave. .	50	305	1894	
Wright	Hudson	Martin	30	283	1901	
†Wyeth Ter. . . .	Lexington Ave. .	Fresh Pond Pky .	{ 40 45	690	1895	
*Wyman Rd. . . .	Sparks	Northwesterly . .	25			270
Wyman	Avon Hill	Westerly	40	165	1900	
Wyman Sq. . . .	Huron Ave. . . .	Sparks				
*Yerxa Rd. . . .	Rindge Ave. . . .	F. R.R.	40			867
York	Webster Ave. . .	Berkshire	40	510	1896	
*York	Berkshire	Portland	16			299
Yorktown	Mass. Ave.	Somerville	40	560	1903	
*Yorktown Ct. . .	Yorktown	Westerly	20			122

† Varies in width.
Unaccepted streets marked with an *

Length of accepted streets, December 31, 1931 114.117 miles
Length of unaccepted streets December 31, 1931 14.213 miles

Total length of streets and ways 128.330 miles

Also the following park roadways:
Memorial Drive (Main St. to Mt. Auburn St.) 20,250 feet
Fresh Pond Parkway (Mt. Auburn St. to Huron Ave.) . . 2,700 feet
Alewife Brook Parkway (Concord Ave. to Mass. Ave.) 5,750 feet
Alewife Brook Parkway (Mass. Ave. to Somerville Ave.) 1,220 feet

Total 29,920 feet or 5.666 miles

ANNUAL REPORT OF THE SUPERINTENDENT OF STREETS

For the Fiscal Year Ending December 31, 1931

To the Honorable City Council:

In accordance with the provisions of Chapter 25 of the Revised Ordinances of the City of Cambridge, the annual report of the Superintendent of Streets for the nine months period beginning April 1, 1931 and ending December 31, 1931 is herewith submitted.

By virtue of a special Act of the Legislature this period was adopted in order to coördinate the calendar year and the fiscal year and both will hereafter begin on January 1.

GENERAL MAINTENANCE EXPENDITURES

"A" Labor payrolls.....	\$199,162 72
"B" Service items.....	4,563 83
"C" Equipment items.....	1,532 34
"D" Supplies.....	15,260 36
"E" Materials.....	20,303 04
"F" Special items.....	17,200 17
	\$258,022 46
Edgestones and sidewalks, labor.....	39,525 41
Edgestones and sidewalks, materials.....	15,214 52
	\$312,762 39

STABLE ACCOUNT

"A" Labor payrolls.....	\$35,506 52
"B" Service items.....	984 41
"D" Supplies.....	2,723 83
"F" Special items.....	84 85
	\$39,299 61

SANITARY ACCOUNT

"A" Labor payrolls.....	\$254,235 59
"B" Service items.....	1,590 85
"C" Equipment.....	36,065 95
"D" Supplies.....	14,973 74
"E" Materials.....	443 07
"F" Compensation.....	2,475 05
	\$309,784 25
Total for revenue funds.....	\$661,846 25

ANALYSIS OF MAINTENANCE EXPENDITURES

General payrolls, maintenance		\$43,951 07
Executive office expense:		
Salary of Superintendent	\$3,187 50	
Salaries of office force	6,670 96	
Printing and binding	118 50	
Postage	14 00	
Advertising	107 37	
Expressage	1 68	
Towel service	11 25	
Office supplies	529 34	
Ice and water	47 55	
Typewriter repairs	16 85	
		10,705 00
Motor repairs and supplies:		
Ignition repairs	\$132 68	
Motor repairs	217 15	
Radiator service	64 38	
Battery service	45 60	
Welding service	78 30	
Tire repairs	18 00	
Supply parts	1,003 07	
Tires	519 95	
Gasoline	2,982 33	
Motor oil	322 40	
Registration fees	54 25	
		5,438 11
Roller repairs and supplies:		
Roller repairs	\$332 99	
Boiler inspections	10 00	
Roller parts	350 13	
Parts for mixers	6 29	
Mixer repairs	15 35	
		714 76
Street signs and traffic supplies:		
Gas service and repairs	\$294 15	
Signs stock	876 32	
Cloth strips	465 55	
Street paint	959 60	
Signs	209 40	
Kerosene and lanterns	134 45	
		2,939 47
Road materials:		
Cold patch	\$4,387 26	
Hot binder	3,040 28	
Crushed stone	2,882 33	
Sand	742 31	
Bricks	5,622 41	
Cement	1,390 10	
Rods	77 98	
Salt	14 00	
Cinders	230 00	
Edgestones	283 20	
		18,669 87

Equipment:

Garage equipment	\$434 18	\$553 28
Tools	119 10	

Miscellaneous items:

Fire box repairs	342 25	
Rigger service	122 50	
Use of boat	10 00	
		474 75

Workmen's Compensation:

Compensation payments	\$1,596 55	
Medical expenses	145 00	
		1,741 55

Stable apportionment		4,912 44
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Total general maintenance		\$90,100 30
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Street cleaning:

Labor payrolls	\$115,743 63	
Motor sweeper repairs	368 68	
Sweeper parts	1,886 59	
Ignition repairs	132 68	
Motor repairs	217 50	
Radiator repairs	64 37	
Battery service	45 60	
Welding parts	78 30	
Motor parts	1,003 07	
Tires	519 95	
Tire repairs	18 00	
Gasoline	2,982 32	
Oil and grease	322 40	
Registration fees	54 25	
Carts and cans	108 00	
Stable apportionment	2,456 22	
		126,001 56

Bridges:

Salaries of drawtenders	\$31,489 90	
Bridge repairs	326 60	
Lumber and hardware	1,421 81	
Electrical supplies	43 86	
Piles	167 50	
Strengthening First Street steel structure	1,602 25	
Enlarging drawhouses	894 00	
Fuel	235 97	
		36,181 89

Repairing bitulithic pavement		13,107 37
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Edgestones and sidewalks:

Labor payrolls	\$39,525 41	
Sand	855 25	
Bricks	7,276 25	
Cement	275 73	
Lighting	28 60	
Tools and hardware	353 59	
Rebates on granolithic walks	1,212 90	
Edgestones	5,212 20	
Stable apportionment	2,456 22	
		57,196 15

Grand total of maintenance expenditures		\$322,587 27
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STABLE DIVISION

Labor payrolls.....	\$35,506 52	
Compensation payments.....	84 85	
Medical expenses.....	12 50	
Lighting buildings.....	550 76	
Telephones.....	293 60	
Filing saws.....	30 05	
Towel supply.....	82 50	
Machine work.....	15 00	
Ice.....	92 94	
Fuel.....	952 23	
Forage.....	277 45	
Paint.....	320 06	
Electrical supplies.....	123 69	
Hardware.....	376 92	
Lumber.....	279 12	
Plumbing supplies.....	37 84	
General supplies.....	263 58	
		\$39,299 61

DISTRIBUTION OF STABLE EXPENSE

Collection of ashes.....	\$19,649 82	
Collection of house offal.....	9,824 91	
General maintenance.....	4,912 44	
Street cleaning.....	2,456 22	
Edgestones and sidewalks.....	2,456 22	
		\$39,299 61

COLLECTION OF ASHES

Foremen.....	\$5,955 71	
Chauffeurs.....	37,083 06	
Laborers.....	135,723 96	
		\$178,763 63
Motor repairs.....		164 45
Radiator repairs.....		82 69
Battery service.....		114 23
Spring repairs.....		41 28
Body and hoist repairs.....		128 92
Ignition repairs.....		153 02
Welding parts.....		84 56
Tire repairs.....		17 25
Oil and grease.....		852 13
Gasoline.....		4,099 00
Tires and tubes.....		2,586 31
Ignition parts.....		159 00
Motor parts and supplies.....		3,431 51
Truck covers.....		142 40
Tools.....		69 86
Incinerator materials.....		443 07
Medical expense.....		331 72
Registration fees.....		75 00
Compensation payments.....		1,856 29
Miscellaneous.....		20 50
Stable apportionment.....		19,649 62
		\$213,266 64

COLLECTION OF HOUSE OFFAL

Foremen.....	\$2,023 00	
Chauffeurs.....	15,690 00	
Laborers.....	57,758 96	
		\$75,471 96
Motor repairs.....		54 85
Radiator repairs.....		27 56
Battery service.....		38 08
Spring repairs.....		13 76
Body and hoist repairs.....		42 98
Ignition repairs.....		51 01
Welding parts.....		28 19
Tire repairs.....		5 75
Oil and grease.....		284 74
Gasoline.....		1,366 34
Tires.....		828 77
Ignition parts.....		53 00
Motor parts and supplies.....		1,165 75
Truck covers.....		47 47
Tools.....		23 25
Buckets.....		67 00
Medical expenses.....		110 58
Registration fees.....		25 00
Compensation payments.....		618 76
Miscellaneous.....		5 00
Stable apportionment.....		9,824 91
		\$90,154 71

New Equipment

New Reo ash trucks.....	\$26,360 00
New Ford coupes.....	2,172 48
New Ford trucks.....	7,305 15
	\$35,837 63

COLLECTION OF ASHES

The following table shows the amounts of materials collected by months and approximate cubic yardage of the collection.

	Ash Trucks	Paper Trucks
April, 1931.....	1,900	92
May, 1931.....	1,668	94
June, 1931.....	1,831	118
July, 1931.....	1,619	421
August, 1931.....	1,469	316
September, 1931.....	1,824	622
October, 1931.....	2,000	440
November, 1931.....	1,970	320
December, 1931.....	2,362	280
Average yardage.....	16,733 6	2,703 5
	100,398	13,515
Estimated total yardage.....		113,913

These figures are given only as approximates, as it is almost impossible to accurately estimate the actual yardage on account of the different materials mixed in the loads.

In June of this year, all of the horse-drawn equipment and the last nine horses were sold off at public auction, and motor equipment purchased to replace them, so that the department is now completely motorized.

As much as possible of the burnable material was consumed in the old incinerator at the Raymond Street Yard and more of it burned in the open. The remainder has been dumped in city-owned land at Cofran's Pit. This is, however, filling up rapidly and a serious problem will soon arise to secure suitable areas for further dumping, and I strongly urge this question be given consideration.

The incinerator at Raymond Street has been relined, but the building itself and the furnace are in bad repair, and the plant is the occasion of much complaint.

I propose to redraft the present routes early in the spring with the idea of equalizing the amounts collected each day, as the present routing is now badly out of proportion.

Some of the older motor trucks are beginning to depreciate to such an extent that it will be necessary to replace them very soon.

HOUSE OFFAL

The following table shows the number of cord feet of offal collected by months:

April, 1931.....	2,479
May, 1931.....	2,589
June, 1931.....	2,508
July, 1931.....	2,190
August, 1931.....	2,506
September, 1931.....	2,580
October, 1931.....	2,654
November, 1931.....	2,450
December, 1931.....	2,803
	22,759

This collection has been disposed of as usual to hog farmers and the cash receipts for the period were \$11,972. It was found necessary early in the year to reduce the price to fifty cents per cord foot in order to sell the material. Up to now there has been no difficulty in disposing of it, although business and market con-

ditions are at low levels. We now have four new trucks which can be used for this collection in peak load periods or used in general service.

It must be kept in mind that not only is the business of raising hogs about here subject to keen competition and low prices, but there is steady objection to plants being operated in the nearby towns, and at some future time it will be necessary to provide modern incineration to dispose of this material, as I feel that the sale of it will be difficult if not impossible. In the event of a general survey of the disposal of municipal wastes, this should be given careful consideration.

The stable at Raymond Street was altered to allow the storage of the new trucks, but lack of funds to properly rebuild this plant still leaves much to be done to house the equipment. I feel that this plant could be rebuilt entirely, utilizing much of the present building, and additions made so that the entire Street Department equipment could be centralized at one point. The land and buildings at Hampshire Street could be sold, and I shall recommend that this matter be given the attention of the Mayor and Council this next year. Modern shops, garages and storage should be built on this land at Raymond Street and economies effected by eliminating the expenses of maintaining several buildings as at present.

The department has kept the traffic devices in repair and has coöperated with the local and state authorities in the regulation of motor traffic.

The counterweight at First Street Bridge developed a bad weave in the fall and it was necessary to strengthen the steel uprights and hold them rigid with steel bracings bolted through the floor. The ordinary repairs to other bridges were made and generally they are in good condition.

The section patrol was maintained throughout the period, with machine brooms cleaning the city by routes.

The drawhouses at both First and Commercial Avenue bridges were rebuilt and provided with toilet facilities by our own force.

ANTRIM STREET, ENTIRE

Payroll.....	\$8,512 87	
Roller fuel.....	39 59	
Lighting.....	120 65	
Crushed stone.....	163 50	
Shovel hire.....	388 00	
Truck hire.....	964 63	
Sand and gravel.....	5 06	
Sheet asphalt pavement.....	5,750 00	
		\$15,944 30

This street was paved with sheet asphalt pavement on a macadam base. The surface was laid by J. McCourt Company.

BINNEY STREET

Freight Depot to Railroad Crossing

Payrolls.....	\$3,282 33	
Tools.....	302 83	
Truck hire.....	312 50	
Mixer repairs.....	43 82	
Compressor rental.....	38 40	
Cleaning and recutting blocks.....	775 93	
Cement.....	434 20	
Sand and gravel.....	353 72	
Sundries.....	11 43	
		\$5,555 16

This section of Binney Street was left over from the previous fall and was a recut granite block job on concrete base with cement grout.

BALDWIN STREET, ENTIRE

Payrolls.....	\$4,975 28	
Truck hire.....	508 50	
Roller fuel.....	40 70	
Ready-mixed concrete.....	149 51	
Sewer grates.....	20 82	
Warrenite-Bitulithic pavement.....	5,500 00	
		\$11,194 81

This street was constructed with Warrenite-Bitulithic pavement on a macadam base and the surface laid by Warren Brothers Roads Company.

BERKSHIRE STREET, ENTIRE

Payrolls.....	\$10,368 44	
Lighting.....	80 67	
Roller fuel.....	47 81	
Crushed stone.....	51 50	
Shovel hire.....	256 00	
Sand and gravel.....	54 45	
Truck hire.....	1,292 75	
Tools.....	74 72	
Sheet asphalt pavement.....	7,500 00	
Filler.....	231 62	
		\$19,957 96

This street was constructed with sheet asphalt pavement on a macadam base. The surface was laid by Simpson Brothers Corporation.

CEDAR STREET, ENTIRE

Payrolls.....	\$4,773 22	
Sand.....	37 93	
Ready-mixed concrete.....	29 50	
Truck hire.....	760 25	
Shovel hire.....	746 50	
Roller hire.....	25 00	
Crushed stone.....	254 20	
Tools.....	176 40	
Lighting.....	57 57	
Warrenite-Bitulithic pavement.....	7,650 00	
		\$14,510 57

This street was constructed with Warrenite-Bitulithic pavement on a macadam base. The surface was laid by Warren Brothers Roads Company.

ELLERY STREET

Harvard Street to Cambridge Street

Payrolls.....	\$8,027 38	
Truck hire.....	387 50	
Sidewalk bricks.....	29 00	
Crushed stone.....	83 00	
Shovel hire.....	429 00	
Warrenite-Bitulithic pavement.....	6,300 00	
		\$15,255 88

This street was constructed with Warrenite-Bitulithic pavement on a macadam base and the surface laid by Warren Brothers Roads Company.

FRANKLIN STREET

Brookline Street to near Sidney Street

Payrolls	\$7,451 33	
Cement	396 00	
Sand and gravel	664 99	
Recutting blocks	935 99	
Tools	69 09	
Mixer parts and repairs	54 60	
Sundries	90	
		\$9,572 90

FRANKLIN STREET

Magazine Street to Western Avenue

Payrolls	\$7,959 94	
Truck hire	275 50	
Tools	151 25	
Roller fuel	41 77	
Recutting blocks	721 61	
Mixer parts	9 55	
Cement	332 20	
Sand and gravel	477 37	
Sewer grates	60 50	
		\$10,029 69

Both of these sections of Franklin Street were granite block jobs. The first section was a relay job on concrete base with cement grout, and the second section was new work laid with recut blocks on a concrete base and group joints.

FROST STREET, ENTIRE

Payrolls	\$5,796 73	
Roller fuel	48 62	
Shovel hire	422 50	
Truck hire	625 00	
Roller hire	212 50	
Crushed stone	1,312 03	
Binder	345 95	
Warrenite-Bitulithic pavement	4,250 00	
		\$13,013 33

This street was constructed with Warrenite-Bitulithic pavement on a macadam base and the surface laid by Warren Brothers Roads Company.

GARDEN STREET WIDENING

Payrolls	\$2,943 97	
Truck hire	25 00	
Ready-mixed concrete	60 38	
Binder-mix	652 65	
		\$3,682 00

This work was done at the bend in Garden Street opposite Linnaean Street on the Observatory side. The necessary land for this widening was granted by the College. The edgestones were removed and set back to the new line and as much of the pavement as was possible was saved by covering with hot mix.

The traffic menace at that point is now removed and conditions greatly improved.

HURON AVENUE

Railroad Bridge to Cushing Street

Payrolls	\$13,093 54	
Roller fuel	135 20	
Truck hire	1,212 00	
Tools	210 94	
Sand	56 94	
Crushed stone	1,201 46	
Lighting	12 25	
Granite blocks	148 13	
Warrenite-Bitulithic	14,800 00	
		\$30,870 46

This street was constructed with Warrenite-Bitulithic pavement on a macadam base and the surface was laid by Warren Brothers Roads Company.

HOVEY AVENUE

Payrolls	\$13,451 99	
Advertising	12 00	
Lighting	77 57	
Truck hire	431 00	
Edgestone	1,036 13	
Sand	79 53	
Shovel hire	182 00	
Ready-mixed concrete	40 26	
Damages	9,000 00	
Sheet asphalt pavement	3,547 18	
		\$26,857 66

This was a new construction job and a sheet asphalt pavement was laid on a macadam base by J. McCourt Company. The

roadway was widened by narrowing the sidewalks. There is still more work to be done as the three-family house at the Magnolia Avenue end of the street is still to be moved and the street built through next spring.

LEONARD AVENUE, ENTIRE

Payrolls	\$5,347 98	
Roller fuel	40 16	
Sand	42 31	
Truck hire	246 75	
Sheet asphalt pavement	3,000 00	
		\$8,677 20

This street was constructed with sheet asphalt pavement on a macadam base and the surface laid by Simpson Brothers Corporation.

MASSACHUSETTS AVENUE Railroad Crossing to Memorial Drive

Payrolls	\$1,473 48	
Ready-mixed concrete	868 52	
Sand	13 48	
Truck hire	625 00	
Warrenite-Bitulithic pavement	2,800 00	
		\$5,780 48

This work was done in the middle strip between the railway tracks. The old wood block pavement was removed and concrete laid wherever necessary and the surface applied by Warren Brothers Roads Company with Warrenite-Bitulithic pavement.

OTIS STREET Second Street to First Street

Payrolls	\$21,722 10	
Tools	267 30	
Crushed stone	43 14	
Cement	917 80	
Mixer repairs	6 20	
Sand and gravel	573 22	
Recutting blocks	1,254 05	
Truck hire	25 00	
Sundries	14 10	
		\$24,822 91

This is a granite block relay job with the old block recut and laid on a concrete base with grout joints.

PRISON POINT BRIDGE

Advertising.....	\$119 60	
Contract for rebuilding pavement.....	27,001 95	
		\$27,121 55

The contract for repaving this bridge was let to Simpson Brothers Corporation. The old granite surface was removed and the Boston and Maine Railroad rebuilt the entire steel sub-structure and laid a new creosoted deck. A mastic bed was laid on this deck and a new granite block pavement laid with asphalt joints. The sidewalk on the west side was also rebuilt with creosoted planks. A little more work remains to be done. The bridge is now in first-class condition.

PUTNAM AVENUE

Brookline Street to Pleasant Street

Payrolls.....	\$2,669 59	
Bitulithic pavement.....	7,350 00	
Mixed concrete.....	319 56	
Hired truck.....	56 00	
Tools.....	34 03	
		\$10,429 18

This section of Putnam Avenue was originally paved with vitrified brick and carried an abandoned single car track. Parts of the old track were taken out and the rest covered with Warrenite-Bitulithic Pavement. The street is now paved right over the old brick.

PEABODY SQUARE

Pavement.....	\$3,963 35
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The greater part of this square was originally paved with Bitulithic pavement but was badly worn. The old pavement was cleaned and margins adjusted and a one-inch top was laid over the whole area.

QUINCY STREET

Broadway to Kirkland Street

Payrolls.....	\$4,255 35	
Bitulithic pavement.....	2,641 36	
Tools.....	10 41	
Hired trucks.....	75 00	
Fuel for rollers.....	84 79	
Lighting.....	251 70	
Sundries.....	75	
		\$7,352 36

This section of Quincy Street was left over from last year and was paved with Bitulithic pavement on a macadam base.

SPARKS STREET Brattle Street to Huron Avenue

Labor payrolls.....	\$17,561 60	
Tools.....	69 78	
Advertising.....	47 25	
Roller fuel.....	50 77	
Hired trucks.....	637 50	
Hire of shovel.....	470 50	
Warrenite-Bitulithic pavement.....	7,700 00	
Crushed stone.....	853 12	
Sundries.....	7 73	
		\$27,398 25

This section of Sparks Street was paved with Warrenite-Bitulithic pavement on a macadam base. The section between Highland Street and Brattle being on a slight grade was given a rougher finish than the rest of the job so as to prevent skidding in wet weather.

THORNDIKE STREET First Street to Second Street

Payrolls.....	\$15,947 36	
Hired trucks.....	50 00	
Tools.....	151 21	
Lighting.....	91 63	
Cement.....	470 80	
Sand and gravel.....	503 88	
Recutting blocks.....	1,227 13	
Sundries.....	1 08	
		\$18,443 09

This section of Thorndike Street was relaid with recut blocks on a concrete base and grouted with cement.

SHERMAN STREET Walden Street to the Railroad Crossing

Labor payrolls.....	\$12,487 64	
Tools.....	143 08	
Fuel.....	89 55	
Hired trucks.....	687 50	
Lighting.....	34 65	
Hire of shovel.....	964 00	
Concrete pavement.....	13,000 00	
Sundries.....	7 73	
		\$27,414 15

This section of Sherman Street was originally an old Bitulithic street but due to clayey foundation was not worth repairing as it was laid several years ago.

The old pavement was removed with a steam shovel and the work of grading was done by the department.

Simpson Brothers Corporation was awarded the contract for laying the reinforced cement pavement eight inches deep. This type of pavement should last for many years.

WEBSTER AVENUE AND WINDSOR STREET

Labor payrolls.....	\$29,881 92	
Tools.....	253 83	
Hired trucks.....	1,694 00	
Fuel.....	168 29	
Lighting.....	33 00	
Excavation.....	616 00	
Bitulithic pavement.....	25,599 97	
Sand.....	29 37	
Shovel hire.....	1,491 24	
Binder.....	68 85	
Grates.....	60 50	
		\$59,896 96

These two streets were built together. Webster Avenue started at Cambridge Street and was continued through to Hampshire Street. Windsor Street was started at Cambridge Street and continued through to Hampshire Street. The type of construction is Warrenite-Bitulithic on a macadam foundation.

BITUMINOUS MACADAM CONSTRUCTION

Labor payrolls.....	\$123,445 81	
Lumber.....	37 00	
Hired trucks.....	4,391 76	
Concrete materials.....	74 92	
Lighting.....	259 69	
Amiesite mixtures.....	12,300 27	
Sand.....	256 15	
Asphalt binders.....	10,749 31	
Tools.....	977 53	
Crushed stone.....	22,495 15	
Roller fuel.....	898 80	
Hire of rollers.....	788 12	
Hire of steam shovels.....	2,759 50	
		\$179,434 01

The above amounts were expended in building the following streets:

Arcadia Street
 Camelia Avenue
 Garden Street, Walden to Field Street
 Granite Street
 Gray Gardens, East (with Amiesite)
 Gray Gardens, West (with Amiesite)
 Gray Street
 Harvard Street
 Hancock Street, Harvard to Broadway
 Hurlburt Street
 Holworthy Street, Fountain Terrace to Huron Avenue
 Harrison Avenue
 Irving Street, Cambridge to Kirkland Street
 Kimball Street
 Kassul Park
 Lee Street, Harvard to Broadway (with Colas)
 Larchwood Drive
 Meadoway
 Fresh Pond Lane
 Martin Street
 Madison Street (with Amiesite)
 Parker Street
 Plymouth Street (with Amiesite)
 Rogers Street, Third to Second Street (with Amiesite)
 Seagrave Road
 Whittemore Avenue, Kimball to Parkway

REPAIRING WATER DEPARTMENT TRENCHES

Labor payrolls.	\$32,320 75	
Hire of trucks.	3,182 69	
Rental of compressors.	1,809 44	
Repairs to mixer.	32 85	
Reinforcing rods.	2,267 71	
Cement.	1,723 00	
Ready-mixed concrete.	6,392 64	
Sand.	651 58	
Blocks.	125 00	
Amiesite.	653 66	
Recutting blocks.	3,411 60	
Bithulithic repairs.	1,515 31	
		\$54,086 23

The above amounts were expended in repairing the granite blocks where the new water pipes were laid during the summer

and the amounts refunded to the Street Department. The rest of the trench will be allowed to settle for the winter and temporarily covered and the job will be finished in the spring.

IN GENERAL

The department has had the biggest year in its history and a great amount of street construction has been done. The largest number of temporary employees ever put on were given work up to the first of December in an effort to relieve the unemployment situation.

RECOMMENDATIONS

Now that the department is completely motorized, I am again bringing to the attention of the Mayor and City Council the proposition of consolidating the department's facilities at the Raymond Street Yard. There is ample room there to accommodate all of the motor equipment, shops and garages by adding to the present buildings and I believe that worth-while economies could be effected if this were done. I recommend that the property at Hampshire and Norfolk Streets be abandoned and sold in order that it may be developed into taxable property.

The most urgent need in this department at the present is a new modern incinerator. The only place we now have to burn combustible refuse is at Raymond Street and was only a makeshift when built years ago and due to several fires and general depreciation of the building and furnace it has reached a state that it should be torn down. With dumping places becoming more difficult to obtain and the danger and nuisance from dump fires, something should be done immediately toward building a modern plant for the destruction of our light refuse. It is a known fact that plants of this character can be operated with no annoying features such as odor or smoke.

This is a subject which should be given considerable study as I feel that at some time in the near future it may be necessary to consume the house offal by incineration. Hog raising in this section is becoming more and more difficult on account of the nuisance created in the neighborhood of their plants and a growing tendency to eliminate stock raised by swill feeding. If such a condition should come to pass in this city, we should be placed in a most serious situation to dispose of our offal.

The city-owned land on Concord Avenue known as Cofran's Pit is fast being filled in and I fear that it will not last another year. Some provision for dumping the ashes and material that cannot be burned must be made and I recommend that this matter also be given consideration.

I desire to express my sincere appreciation of the assistance and coöperation which has been accorded by the City Council and the Mayor together with the personnel of the department generally who have generously contributed to the fund for the unemployed.

Respectfully submitted,

WILLIAM R. McMENIMEN,
Superintendent of Streets.

REPORT OF THE BRIDGE COMMISSIONER For Cambridge and Boston Bridge Commission

EXPENDITURES

Labor, bridge cleaners.....	\$4,056 77	
Printing.....	30 42	
Lighting.....	2,359 56	
Repairs to paving and fences.....	605 83	
Supplies.....	56 29	
New lights, Longfellow Bridge.....	978 32	
Total.....		\$8,087 19

The old lighting system on Longfellow Bridge has been taken out and new fixtures of modern design installed on the trolley poles by arrangement with the Boston Elevated Railway Company. The improvement is noted and the lighting greatly improved.

According to an Act of the Legislature, the Western Avenue and River Street Bridges were taken over by the Metropolitan District Commission on July 9, 1931.

I call attention to the urgent need of painting the steel work of the Longfellow Bridge.

I desire to thank the Boston Commissioner and his assistants for their help during the year.

Respectfully submitted,

WILLIAM R. McMENIMEN,
Bridge Commissioner.

REPORT OF BOARD OF APPEAL

Cambridge, Mass., February 16, 1932.

To His Honor the Mayor:

Dear Sir: In accordance with the provisions of the Building Ordinance, we hereby submit our report for the year ending December 31, 1931. The Board has held 18 meetings and has had presented for its consideration 79 cases. These cases may be classified as follows:

Cases involving new buildings.....	29
Cases involving alterations to existing buildings.....	9
Cases involving additions to existing buildings.....	8
Cases involving occupation of existing buildings.....	19
Cases involving a use of premises only.....	13
Concurrent action on use of materials.....	1
Total.....	79

In the above-mentioned cases, modifications of the zoning law and building code were sought, under the following:

1. Rear yards.....	2
1a. Side yards.....	3
2. Setbacks.....	3
3. Height.....	1
4. Type of construction.....	5
5. Occupancy and use.....	12
6. Use of premises.....	16
7. Concurrent action.....	1
8. Appeals from the decision of the superintendent on interpretation of the building code.....	1
9. Business buildings in residence district.....	28
10. Garage for more than two cars under Chapter 133.....	7
Total.....	79

A summary of the decisions rendered by the Board on the above cases is as follows:

Granted.....	42
Denied.....	32
Withdrawn.....	4
Concurrent action.....	1
Total.....	79

It will be noted that the cases of occupancy and use, use of premises and garages together number thirty-five, or nearly half of the total, and nearly all these cases have had to do either with oil or gasoline storage, open-air parking or garages. When it is remembered that according to the decision of the courts the advertising of cases to come before the Board must be paid for by the City, as well as the notification to the abutters, it will be seen that every hearing involves considerable expense to the City, which might very easily be saved if the cases previously referred to were fully provided for under the ordinance, which they are not at present. The Board has felt for sometime that in the matter of filling stations, there should be extreme care exercised in granting new locations, having in view the number which are already in existence, which appear to fulfill every public requirement.

In regard to the storage of fuel oil, the Board feels that the provisions of the ordinance ought to be made much more liberal than they are now, as many plants require more than 3,000 gallons capacity, which is the limit for them now under the existing ordinance. We see no reason why there should be any limit at all in the storage of fuel oil in connection with an established business and for its own use, as the installation and location of fuel oil tanks is already very carefully provided for by the State and by the local ordinances.

In regard to the storage of gasoline, we find that there are now three grades of gasoline on the market and the present capacity of 3,000 gallons in one installation does not seem to be sufficient to take care of the demand in many cases. It will be well to increase this limit to 4,000 gallons, in our opinion. In regard to private garages, we feel that the matter should be given careful consideration. The present limit of two cars for one property is all right for small lots, but where the lots are large and houses separated considerably, we feel that there should be greater accommodation allowed, provided such accommodation is for the benefit of the owners of the property.

And again, we find in many cases that parties ask for more than two-car accommodations with the idea of renting one or two to reduce their expense. This is a perfectly legitimate procedure, but we feel it should be regularized by ordinance and not left to be settled by the Board of Appeal. We, therefore, urge that an attempt be made to formulate some ordinance which will take

care of this matter with fairness both to the community and to individual interests. We feel the present ordinance accomplishes neither of these results.

The statutes at present give the Board of Appeal jurisdiction on cases involving premises aside from questions in which are merely involved building construction. It would seem to the Board that it might be advisable to carry this farther and to control or pass upon the desirability of advertising to such limits as would not interfere with the rights of the neighborhood.

There is also now no restriction on the removal of loam, sand and gravel or clay from the premises and it is within the power of the individual owner to utterly ruin a neighborhood by exercising what are now considered to be his rights. It would seem as if properly this factor could be taken care of by proper ordinances with appeal power to some Board.

The drafting of ordinances to cover the points we have referred to in this report would require considerable thought and care. If the desirability of this action appeals to Your Honor, the Board of Appeal would be very glad to submit to you a tentative draft of ordinance covering these points and would consider them in conjunction with the Planning Board, or other Board which would be interested in the question.

We would again respectfully call your attention to the fact that the Board as at present constituted includes two members whose term expired long ago and who are merely holding office until their successors are appointed, and a third, Mr. Parker F. Soule, who has been appointed, from time to time, to fill the vacancy on the Board.

Respectfully submitted,

C. H. BLACKALL, *Chairman*,
GEORGE A. McLAUGHLIN,
PARKER F. SOULE.



APRIL 20, 1931, CAMBRIDGE COMMON

At left, between veterans of Spanish and Civil Wars, stands President M. L. Spencer of the University of Washington. Mayor Richard M. Russell (right) about to place first shovel of loam in pit, holding scion of Elm.



REPORT OF THE BOARD OF PARK COMMISSIONERS

Cambridge, December 31, 1931.

To the Honorable City Council:

The Board of Park Commissioners has the honor to submit its thirty-ninth annual report for the fiscal year, a period beginning April 1, 1931 and ending December 31, 1931, which contains the reports of the General Superintendent of Parks and the Superintendent of Recreation.

Respectfully submitted,

JEREMIAH J. COUGHLAN, *Chairman*,
SAMUEL W. PILL,
WAYLAND M. MINOT,
JOHN B. DORE,
HELEN C. ALMY,
CARROLL W. DOTEN,
LEO J. BREAU,
MICHAEL F. SCANNELL,
JESSIE W. BROOKS,
Board of Park Commissioners.

REPORT OF THE GENERAL SUPERINTENDENT OF PARKS

Cambridge, December 31, 1931.

To the Board of Park Commissioners:

The report of the General Superintendent of Parks for the period April 1, 1931 through December 31, 1931 is submitted for your information and consideration.

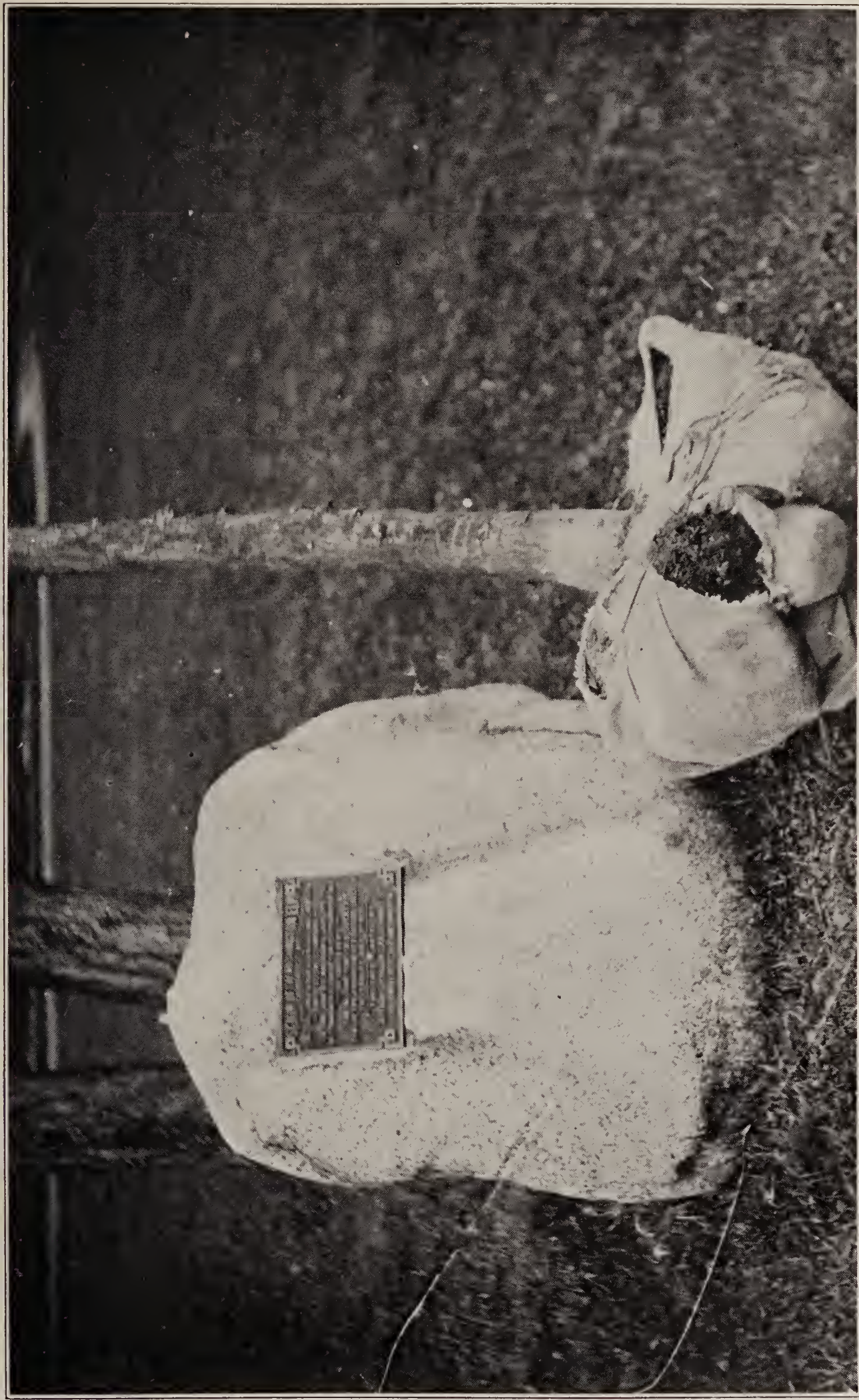
CAMBRIDGE FIELD AND SHELTER

The building on this field was erected over forty years ago and each year it is, of course, necessary to make various repairs. A new section was installed in the hot water heater in the building. During the past year it became necessary to close the building for two days on account of the eight-inch main sewer pipe becoming clogged. After considerable work the obstruction was located and repairs made. Needed repairs were also made in the men's and women's lavatories.

Eight dead trees were removed, four trees trimmed, and all the trees and shrubs sprayed and given general care on the field. New halyards were put on the flagpole. One new dry marker was purchased. The field was oiled once, rolled several times during the season, and marked with lime for the various sports. The swings were repaired and general care given to the grass. The receipts from use of baths was \$520.90.

CAMBRIDGE COMMON

The most important work accomplished here during this period was the planting of a scion of the old Washington Elm on Monday, April 20, 1931, inasmuch as Patriots Day, April 19, came on Sunday. This scion was presented by Mr. M. Lyle Spencer, President of the University of Washington, Seattle, Washington, following this department's acceptance of their gracious offer to reciprocate a favor granted them by our Park Commissioners over thirty years ago, at which time permission was given to a graduate student from the University of Washington to layer a twig of the old Washington Elm and thereby propagate a scion for the campus of their university. This scion thrived beautifully and is now a handsome tree some forty feet high.



SCION OF WASHINGTON ELM, CAMPUS, UNIVERSITY OF WASHINGTON
From which was propagated scion presented to City; and scion baled preparatory to shipping to Cambridge.

From this scion a second scion was propagated by Mr. L. Metzger and presented by Mr. Spencer to the City of Cambridge; a scion sixteen feet high and three inches in diameter, with a mass of roots that promise well for good growth.

After the planting of the tree, the Park Commissioners presented President Spencer with a pair of bookends made from the wood of the original tree, inscribed on sterling silver plates as follows:

“A REPLICA OF AND MADE FROM
THE WASHINGTON ELM
PRESENTED TO M. LYLE SPENCER
APRIL 20, 1931
BY BOARD OF PARK COMMISSIONERS
OF CAMBRIDGE, MASS.”

His Honor the Mayor presented President Spencer with a framed picture of the Washington Elm as it looked in 1904, bearing the following engraved inscription:

“THE WASHINGTON ELM.
CAMBRIDGE, MASS.
1713-1923
SHOWING TREE IN 1904
PRESENTED TO M. LYLE SPENCER,
PRESIDENT, UNIVERSITY OF WASHINGTON
BY RICHARD M. RUSSELL,
MAYOR OF CAMBRIDGE, APRIL 20, 1931.”

In addition to the usual care given to the grounds, eight trees were removed, twenty new trees planted and forty-seven trees trimmed.

RINDGE FIELD AND SHELTER

The building on this field is patronized more extensively by the general public than any other building which comes under the supervision of the Park Department. The basketball court is in constant use from 1 p.m. until 10 p.m. during winter months. In the summer and fall months the showers are continually in

demand. The receipts from the showers for the past nine months amounted to \$1,271.75, and I am advised by the men in charge that there are just as many more people using these showers who provide their own soap and towels. The School Department used the showers for five weeks during summer school periods for their pupils, from which this department realized \$231.40.

The fence which had been removed by the Metropolitan District Commission at the Fresh Pond lawn tennis courts when driveway was built, was reset around the tennis court here. For this work it was necessary to purchase some additional wire and clasps. This is a big improvement over the old court, which was in a decidedly dilapidated condition. The bleachers were repaired, new halyards installed on the flagpole and the pole painted. One dry marker was purchased.

RUSSELL FIELD AND SHELTER

In December the men from the Unemployment Committee started excavation for a second hockey rink, the idea being that this rink would be for the general public, thereby reserving the rink built last year for the school teams. However, before this work was completed the men were transferred to build a new golf course at Fresh Pond. The Park Department erected boards around the rink which was erected last year and at this writing we are waiting for cold weather so that the school boys can enjoy skating here.

The usual care was given the buildings and grounds during the season. The grass was cut, the track rolled several times and slight repairs made in the plumbing system and in the buildings generally. The decaying of the wood in the bleachers required the purchase of three thousand feet of spruce to make such repairs as were necessary to insure safety.

WARD TEN PLAYGROUND

A fence on the westerly side was erected by the men of the department. The material for same was purchased when the other portions of this fence were erected and was kept on hand for this purpose. The field is now entirely enclosed. Two one thousand-watt flood-lights were placed on poles which connect with underground wires, to light the field evenings. A time-clock



MR. LUDWIG METZGER, GARDENER, UNIVERSITY OF WASHINGTON, SEATTLE
Cutting scion of Washington Elm after rooting same on original tree

was installed in order to restrict the lighting of the field to certain hours.

The surface of the field is in very poor condition and should be given attention, as it is almost impossible to conduct either baseball or football games on account of the large holes. Appropriation for this work has previously been requested but not granted to date. It is hoped that it will be forthcoming during this year.

CORPORAL RAYMOND BURNS FIELD AND SHELTER

It was necessary to rebuild the fire box in the heater as the old bricks were burned out from the extreme heat of the fuel oil. The heater here has given more or less trouble for the past two years and should be replaced. Slight repairs were made in the building. A number of panes of glass in the windows were broken, undoubtedly by boys who use the playground. Repairs were also necessary on the lighting system. The receipts from use of shower baths by public were \$380.25.

The children from the Houghton School used the shower baths five weeks during vacation under the supervision of the School Department, and the department received \$65.90 through this use. The field was cleaned and rolled, the swings and slides repaired.

LONGFELLOW PARK

There was a stoppage in the six-inch drain pipe carrying water from the lawn. After considerable digging this was located under the edgestone at Mt. Auburn Street and was caused by the roots of a large elm tree growing close by. The men of the Sewer Department were called upon to make the repairs on the pipe at a cost of eighty dollars while the men of this department did the digging and refilling.

The park received the usual care, one man being constantly employed. The roadway in the park is badly worn and should be rebuilt this coming season.

RUSSELL E. HOYT FIELD AND SHELTER

The usual work of maintenance was carried on during the season. The field was oiled and rolled, bleachers and swings were repaired, new halyards placed on flagpole and minor plumbing repairs made in the building.

This building is used considerably during the basketball and baseball seasons and many repairs are constantly needed. The wooden partition in the men's lavatory is decayed and should be replaced. The same condition also exists in the women's lavatory. The doors on the toilets are broken and should be replaced with rubber curtains. The conductors and gutters need immediate attention. The receipts from use of baths by public amounted to \$551.

JOHN J. AHERN FIELD

No new improvements were made here during the past season. The usual work of maintenance was carried on, repairing of the bleachers and swings, some slight repairs in the lighting system, and the field rolled and oiled.

BROADWAY COMMON

These grounds received the usual care. The shrubbery beds were spaded, shrubs trimmed and what little grass is left here was cut. New halyards were installed on the flagpole.

FRESH POND PLAYGROUND

The usual work was carried on at this location. One man was employed constantly during the summer months cutting the grass, etc. The field was rolled and marked for the various sports, swings were repaired and toboggan shuttles installed and lighted.

GERRY'S LANDING

The department borrowed two voting booths from the Election Commission and set them up to be used as bathhouses, but as previously stated, this arrangement is not a satisfactory one in view of lack of sanitary accommodations.

ELM STREET PLAYGROUND

This small area was cleaned and rolled. Swings and slides were erected.

LOWELL SCHOOL YARD

The grounds at this location were raked and rolled and the swings repaired.



TENNIS COURTS, RINDGE FIELD



CITY HALL GROUNDS

The lawns were all spaded, graded and seeded by the men from the Unemployment Committee. The seed required was paid for by the Unemployment Committee, inasmuch as no appropriation was granted for this work. The men of this department cared for it generally during the remainder of the season.

FORT WASHINGTON

Conditions here have not improved since my last report, at which time it was called to your attention that it was practically impossible to keep the fort in any kind of a presentable shape. A section of the fence on the southerly side of the fort has been broken by trucks or teams, the fence pickets also have been broken and the halyards cut. New halyards were twice replaced, and the fence will be repaired when funds are available.

DANA, HASTINGS AND WINTHROP SQUARES

The above squares received the usual care. The grass was cut, shrubs trimmed and the grounds in general kept in fairly good condition. A more powerful bulb was set on the electric light pole at Hastings Square.

PUBLIC LIBRARY GROUNDS

The concrete driveway on the Trowbridge Street entrance was in poor condition. About two-thirds of it was rebuilt by the Street Department, leaving about six hundred feet to be completed. In this connection I might state that the Street Department was under the impression that there was sufficient money in this department to pay for the work, and when they learned that the Park Department had been granted no appropriation for same they refused to continue. It would seem advisable to rebuild the comparatively small area left. The usual care was given to the grounds and shrubs.

TREE PESTS

It is with regret that I am obliged to advise that conditions in connection with the oriental hag moth have not improved since my report of last year, notwithstanding the fact that every means in my possession have been exhausted to keep it under control.

Inasmuch as the appropriation for this work is limited, it is possible to give only one thorough spraying within a season and while in the past this has been done in the spring, it is now proposed to do it in August, as it is apparently a better time for this particular insect. Of course the ideal method to attempt to overcome this increasingly troublesome difficulty would be to give two thorough sprayings, one in the spring and another in August. If the appropriation could allow of this procedure, I am of the opinion that at least some headway might be gained and, looking into the future, it would appear to be well worth the experiment.

Both the brown tail and gypsy moths are well under control, inasmuch as cutting the webs of the brown tail off the trees and painting with creosote the nests of the gypsy moths takes care of this condition satisfactorily. Considerable trouble was caused by the satin and tussock moths during the hatching season.

SHADE TREES

Results of efforts put forth in an endeavor to promote the life and growth of our shade trees have been most encouraging during the past nine months. As a matter of fact, never before have we secured better results from trimming, pruning, etc., to say nothing of the progress made in removing dead and dangerous trees. There were 252 Norway maples planted; 187 dead and dangerous trees removed; 508 trees trimmed.

MISCELLANEOUS

Two Chevrolet trucks and forty-seven dozen Turkish towels were purchased.

Income received from renting of towels for use at showers is listed below:

Rindge Field	\$1,271 75	
Russell E. Hoyt Field	551 00	
Cambridge Field	520 90	
Corporal Burns Field	380 25	
School Department	297 30	
		\$3,021 20

FINANCIAL STATEMENT

Maintenance, General, Personal Service*Expenditures April 1, 1931 through December 31, 1931*

Amount appropriated in annual budget.....	\$46,123 02
Amount transferred to other codings.....	585 77
	\$45,537 25
Amount transferred to forestry.....	100 82
	\$45,436 43
Amount transferred from other coding.....	900 00
	\$46,336 43

Expended

Permanent employees.....	\$43,042 68
Temporary employees.....	3,293 75
	\$46,336 43

Service other than Personal

Amount appropriated in annual budget.....	\$5,125 00
Amount transferred to other codings.....	341 26
	\$4,783 74
Amount transferred from other codings.....	599 18
	\$5,382 92

Expended

Printing and binding.....	\$29 00
Advertising in newspapers.....	12 50
Postage stamps.....	6 00
Cartage and freight.....	90 42
Teaming.....	9 00
Lighting shelters, and power used by heaters.....	538 67
Lighting fields and playgrounds.....	885 38
Rental of garages.....	117 75
Telephone service.....	140 96
Repairs, automobiles, trucks and tractors.....	540 64
Blacksmith's service, repairing apparatus.....	19 21
Testing materials.....	80 00
Photographic.....	79
Service not otherwise coded.....	1,820 74
Laundering towels.....	956 86
Cleaning tablets, monument, Cambridge Common....	135 00
	\$5,382 92

Equipment

Amount appropriated in annual budget.....	\$1,325 00
Amount transferred to other codings.....	160 22
	\$1,164 78

Expended

Apparatus.....	\$96 00
Electrical.....	343 78
Motor vehicles, one truck.....	725 00
	\$1,164 78

Supplies

Amount appropriated in annual budget.....	\$4,490 00
Amount transferred from other codings	1,321 54
	\$5,811 54
Amount transferred to other codings.....	53 38
	\$5,758 16

Expended

Office.....	\$375 28
Ice and spring water.....	46 00
Coal and fuel oil.....	1,627 43
Cleaning.....	466 47
Recreational.....	181 02
Agricultural.....	29 97
Motor.....	933 25
Disinfectants.....	40 42
Towels.....	148 52
General.....	1,909 80
	\$5,758 16

Materials

Amount appropriated in annual budget.....	\$2,500 00
Amount transferred within appropriation.....	14 61
	\$2,485 39
Amount transferred to other codings.....	1,766 98
	\$747 63

Expended

Oil for laying dust.....	\$733 02
Sewer pipe.....	14 61
	\$747 63

Workingmen's Compensation

Amount appropriated in annual budget.....	\$100 00
Amount transferred to other codings.....	68 53
	\$31 47

Expended

Compensation: injured employee.....	30 85
Balance.....	62

Maintenance, Forestry, Personal Service

Amount appropriated in annual budget.....	\$20,272 18
Transferred from other codings.....	307 17
	\$20,579 35

Expended

Permanent employees.....	\$19,631 96
Temporary employees.....	943 30
	\$20,575 26
Balance.....	\$4 09

Service other than Personal

Amount appropriated in annual budget	\$255 00	
Amount transferred from other codings	250 50	
		\$505 50
Amount transferred to other codings		123 73
		<u>\$381 87</u>

Expended

Advertising	\$4 50	
Repairs trucks	135 61	
Service other than personal	240 66	
		<u>\$380 87</u>

Balance		\$1 00
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Equipment

Amount appropriated in annual budget		\$725 00
--	--	----------

Expended

One Chevrolet truck		\$725 00
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Supplies

Amount appropriated in annual budget	\$2,168 00	
Amount transferred to other codings	207 38	
		\$1,960 62
Amount transferred from other codings		125 26
		<u>\$2,085 88</u>

Expended

Agricultural	\$1,328 25	
Gasoline, oil, etc	160 74	
Chemicals	265 71	
Miscellaneous	331 18	
		<u>\$2,085 88</u>

Fence, Jerry's Pit

Amount appropriated in annual budget		\$350 00
Balance on hand		<u>\$350 00</u>

Respectfully,

JOHN F. DONNELLY,
General Superintendent of Park.

ANNUAL REPORT OF THE SUPERINTENDENT OF RECREATION

To the Board of Park Commissioners:

The report herewith submitted is the ninth report of the Recreation Division. It covers the nine months period from April 1, 1931 to December 31, 1931. Because of the shorter period involved, but brief comment can be made on some of the departmental activities, inasmuch as the three months of the calendar year which are omitted from the current report constitute the season when the winter activities of the department are most flourishing.

Although the general economic conditions and the resultant necessity for curtailment of municipal expenditures has made it impossible to add to the facilities of the department during the past nine months, efforts have been concentrated on obtaining a maximum use of existing facilities.

On the playgrounds there has been a marked increase in the attendance of older girls and boys, necessitating the altering of playground programs to meet the needs of this youthful group, which, because of the economic situation, has been added to the number of those without employment. An increased patronage has been noted also in the program of adult activities. This larger attendance which is undoubtedly due in part at least to the unemployment situation is most significant. For if the premise that recreation programs provide means for a profitable use of leisure time is fundamentally sound, there is a gleam of optimism in the realization that many of those whose period of leisure is enforced are making use of the municipal recreational facilities. Furthermore, it appears logical that the development of cultural or athletic interest, or both, should be beneficial to the individual and to the community, particularly when the individual has a surplus of leisure time at his disposal and is in the character-forming period of life. Thus it may well be deduced that the expenditures for municipal recreation constitute a premium which is paid for what may be termed social insurance.

PLAYGROUNDS

Nineteen playgrounds were supervised during the peak of the playground season this year. Three of this number, the John P.

Squire playground, the Granite Street playground, and the Buckingham School Field, as in other seasons were supervised through the coöperation of the owners of the respective areas, these three grounds not being in the control of the city.

In addition to the local programs conducted on each of the grounds, the usual provision was made for special supervision for such undertakings as handwork, dramatics, music and dancing. Leagues were organized among all of the grounds in the city and inter-playground competition promoted in baseball, bat ball, playground ball, and other games. Track meets and tournaments in paddle tennis and quoits were likewise conducted as usual.

Eleven of the larger grounds were under supervision during the spring and fall season after school hours, on Saturdays, Sundays and during the school vacation periods. The athletic fields were supervised also on Sunday afternoons and week-day evenings throughout the daylight saving period of the year.

All of the athletic fields in the city were used extensively for adult teams under the permit system from April to December. One of the greatest difficulties of the department is to provide accommodation for the number of teams in the city seeking use of our baseball, football and soccer areas. Inasmuch as Cambridge, considering the size of its population, does not possess a sufficient number of areas of this type, and since the available sites for athletic fields are but few, it is reasonable to suggest that the city should add at least one more spacious area to its list of playgrounds. In this connection may I recommend that the Board keep in mind the opportunity of utilizing for this purpose the site at the so-called Cofran's Pit. The three districts of the city which are in most need of play areas are those which center about the new Longfellow School, the old Boardman School and the Agassiz School. When the finances of the city so permit, effort should be exerted to procure playground sites, for the accommodation of small children, at least, in the districts mentioned.

RECREATION CENTERS

The indoor winter program of the department conducted in the recreation buildings and some of the school buildings is now so well established that no arguments are necessary for the continuance of this portion of the city's recreation program. The patronage obtained at the seven centers which have been in ses-

sion for the first two months of this winter season justifies the expenditures made for the supervision of these units. The athletic, cultural and social programs which are being conducted three evenings each week are well patronized, the noticeable feature this season being the increased attendance of older persons.

As I have mentioned in previous reports, there is need for additional indoor facilities of this kind in other sections of the city, particularly in the neighborhood of Cambridge Field and in the Mt. Auburn section. If the present rate of increase of patronage continues, it will soon be necessary to utilize more fully the existing centers. The growth of basket ball leagues, the increase in the number of activities provided for women, and the other complexities of administering the recreation center program will soon warrant devoting additional nights each week to this program.

BATHING

The beaches at Gerry's Landing and Jerry's Pit were again maintained as municipal bathing places during the summer of 1931. In conformity with my observances concerning these two places in previous reports, I beg to reiterate that both of them are far from satisfactory from the standpoint of bathing accommodations. Since neither place is wholly in the control of the city, there are difficulties in the way of securing suitable bathhouses and sanitation for the thousands who patronize them during the warm weather. I urge, therefore, that if we are to continue to maintain these two beaches, some improvement be made in the conditions pertaining to them.

The two wading pools at Cambridge Field and the John J. Ahern playground were used during the warm season, but the hydrant sprinklers which had been used in previous years throughout the city were not operated last summer because of the need for conserving the municipal water supply. I hope that in planning for additional facilities on our playgrounds, we can gradually increase the number of small wading pools on our playground areas.

WINTER SPORTS

The unusual weather conditions which have prevailed thus far this winter have prevented the enjoyment of any type of winter sports up to the time of submitting this report. If the

weather conditions permit, the usual supervision will be maintained at the toboggan slides and skating places throughout the city.

I am of the firm opinion that the provisions made for children's coasting in this city are inadequate and that because of the need for insuring the safety of the children, a better plan for the supervision of the coasting places should be evolved.

OTHER ACTIVITIES

The garden plot at Mt. Auburn and Willard Streets, through the coöperation of the officers of the Cambridge Skating Club, which organization now owns this area, was again used by a group of children from that vicinity. This undertaking which requires but a minimum of supervision is manifestly worth while, both because of the intrinsic value of getting the children accustomed to work with and appreciate the forces of nature, and also from the results obtained from the venture. For several seasons now the children's garden group organized in this department has been awarded the annual prize offered by the Massachusetts Horticultural Society for the best exhibit of vegetables and flowers among the children's gardening clubs throughout the state.

Afternoon classes for children in dancing and dramatics were again conducted in school buildings in several sections of the city. This feature of the municipal recreation program has now been conducted for approximately eight years and is providing the children of the city with the finest kind of training in cultural and pleasurable pursuits which are bound to be an asset to the social welfare to the individual and the community. A testimony of the importance of these classes is available in noticing how many of the young people participating in the dramatic presentations throughout the community were formerly enrolled in the municipal classes.

During the summer months a series of band concerts was given on the larger fields, this being the second season that an appropriation was made available for the purpose. In addition to the concerts given by union musicians, in a few instances the music was furnished by two of the boys' bands in the city, thus enabling the department to encourage and foster another valuable recreational undertaking in the field of music.

The motion picture entertainments on the several play-

grounds of the city were again arranged during the summer months. These programs, as in the past, provided both education and amusement for thousands of spectators, in many instances affording an opportunity for recreation to family groups who are otherwise prevented from the enjoyment of this form of entertainment.

One of the outstanding activities of the summer season was the city-wide tournament conducted in paddle tennis for the boys and girls of the various playgrounds. Approximately five hundred children entered the tournament to compete for the championships in the singles and doubles contests of the different age groups. The Cambridge playgrounds also conducted an annual spring marble tournament among the boys, the city champion being a competitor in the greater Boston tournament conducted on Boston Common.

As in former years, the summer season was terminated with a pageant at Russell Field. The pageant which was presented on Wednesday, August 26, was entitled "The Community's Recompense" and the episodes were arranged to demonstrate the relation of recreation to the life of the community. It afforded the opportunity of depicting the various undertakings of the recreational program as they apply to the child, the youth and the adult. The costumes, the properties, and all the incidentals involved in the production were made in connection with the summer playground program.

RECOMMENDATIONS

The following recommendations are made for the purpose of keeping before the Board certain objectives which are essential to the development of the community recreation program in Cambridge.

The erection of a recreation building at Cambridge Field.

The securing of another large athletic field in the western section of the city.

The securing of a municipal golf course on the area surrounding Fresh Pond.

The erection of bleachers at Cambridge Field.

The erection of a small recreation building at the Raymond Street Playground.

The securing of playground area in the vicinity of the Long-fellow, the Agassiz, and the old Boardman School buildings.

The erection of a recreation building at Fresh Pond. Such a building could be utilized as a field house, a recreation center and a club house for the proposed golf course.

Continued effort to secure better facilities at the Gerry's Landing bathing beach, and at Jerry's Pit.

CONCLUSION

During its nearly nine years of existence, the development of the program of the Recreation Division of the Department has been consistent. With some new facilities acquired gradually, the opportunity for a larger and more varied program of activities has been made possible. When one considers the density of our population and the limited opportunity for acquiring land for recreation purposes, it is evident that future efforts must be made in the direction of obtaining the best results from the facilities now in our control. I hope that the Board will continue its effort to build up regional recreation units, such as are now in use at Rindge Field, Russell E. Hoyt playground, and Corporal Burns playground. The facility of operation and the advantage of focusing the recreation life of the vicinity at one place make this neighborhood center plan most desirable.

I appreciate the confidence and support of the Board in my administration of the municipal recreation program, and acknowledge also the coöperation received from my associates in the department and the heads of other departments in the city.

FINANCIAL STATEMENT

April 1, 1931 to December 31, 1931

Personal Service:		
Administrative salaries	\$4,800	00
Permanent supervision	5,898	16
Part time supervision	19,877	21
Total		\$30,575 37
Service other than personal:		
Printing and binding	\$156	25
Postage	34	00
Transportation of persons	275	00
Cartage and freight	10	93
Hire of teams and auto trucks	61	00
Rentals (including transfer to School Department) . . .	760	87

Motor vehicle repairs	\$54 88
Photographic and motion pictures	80 25
Service not otherwise coded	146 46
Band concerts	495 20

Total	<u> </u>	\$2,074 84
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Equipment:

Apparatus	\$74 95
Electrical	14 01
Educational and recreational	121 35
Tools and instruments	7 62

Total	<u> </u>	\$217 93
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Supplies:

Office	\$100 75
Water and ice	42 50
Medical	55 62
Educational and recreational	1,782 22
Motor vehicle	114 13
Supplies not otherwise coded	153 73

Total	<u> </u>	\$2,248 95
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Special Expenditures:

Exhibitions, pageant, entertainments	\$698 63
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Total	<u> </u>	\$698.63
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Total expenditures	<u> </u>	\$35,815 72
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Respectfully submitted,

STEPHEN H. MAHONEY,
Superintendent of Recreation.

REPORT OF BOARD OF PUBLIC WELFARE

Cambridge, Mass., September 1, 1932.

To His Honor the Mayor and the City Council:

The Board of Public Welfare respectfully submit their annual report for the fiscal year ending December 31, 1931. The demands upon the department have been exceedingly heavy due to the unemployment crisis, and there is no prospect that these demands will be lessened during the coming year. Every effort is being made by the department to meet the pressing needs of those who are in distress, that there may be no suffering, while at the same time effort is made to keep expenditures down to a minimum.

The cost of maintaining the department is as follows:

	<i>Expenses</i>	<i>Receipts</i>	<i>Net</i>
Outside Aid.	\$488,712 73	\$9,164 14	\$479,548 59
City Home.	51,829 84	1,830 18	49,999 66
	\$540,542 57	\$10,994 32	\$529,548 25

EXPENDITURES

Outside Aid

Personal Service:

Permanent employees.	\$23,242 99	
Temporary employees.	905 28	
		\$24,148 27

Service Other than Personal:

Printing and binding.	\$33 77	
Postage.	262 00	
Transportation of persons.	1,416 26	
Light.	29 70	
Rent.	171 12	
Communication.	249 06	
Motor vehicle repairs and care.	192 79	
Care of persons.	1,865 00	
Fees.	6 00	
Burial.	548 00	
Miscellaneous.	25 00	
		4,799 30

Equipment:

Office.	\$370 75	
Wearing apparel.	3,690 62	
		4,061 37

Supplies:		
Office.....	\$732 69	
Food.....	117,966 05	
Fuel.....	3,897 33	
Medical, surgical.....	2,845 29	
Laundry.....	9 51	
Motor vehicle.....	170 71	
Miscellaneous.....	5 88	
		\$125,627 46
Special Items:		
Care of dependents.....	\$203,837 82	
Bills of prior years.....	32,087 49	
Mothers' aid.....	80,339 02	
Old age assistance.....	13,812 00	
		330,076 33
Total.....		
		\$488,712 73

RECEIPTS

Cities and Towns:		
Ordinary aid.....	\$5,328 61	
Mothers' aid.....	1,211 48	
		\$6,540 09
Commonwealth of Massachusetts:		
Temporary aid.....	1,309 98	
Sick poor.....	115 90	
		1,425 88
Other Sources.....	1,198 17	
		1,198 17
Total.....		
		\$9,164 14

Respectfully submitted,

EDWARD W. TOOMEY, *Chairman*
BERNARD B. WELCH
CORINNE M. CONLON
LEOPOLD BARTEL
ELIZABETH A. CHAMBERS.

REPORT OF THE CITY PHYSICIAN

To His Honor the Mayor and the City Council:

The report of the City Physician for the period beginning April 1, 1931 and ending December 31, 1931, is hereby rendered:

City Home

Number of visits to the Home.....	231
Number of persons attended there.....	158
Number of deaths there.....	17
Number of patients admitted.....	107
Cost of medicines, surgical appliances, medical assistance.....	\$800 57

Outside Aid

Number of persons attended for Public Welfare Department.....	3,403
Number of visits to the same.....	4,314
Number of persons sent to hospitals for treatment.....	165
Number of outside deaths.....	4
Number of outside births.....	10
Cost of medicines, surgical appliances, medical assistance.....	\$3,573 10

Departmental

Number of persons attended at police stations.....	7
Number of visits to the same.....	7
Number of vaccinations for the School Committee.....	736
Number of visits to the same.....	736
Number of employees examined for retirement.....	2
Number of visits to the same.....	2
Number of policemen examined for retirement.....	1
Number of visits to the same.....	1
Total number of persons having received professional care.....	4,316
Total number of visits to the same.....	5,276

In caring for the special needs of people under treatment there were:

- 37 persons sent to be fitted for eyeglasses.
- 10 persons sent to be fitted for trusses.
- 5 persons sent for special dental work.
- 3 persons sent to be fitted for surgical appliances.
- 3 persons sent to be fitted for arch supports.
- 2 persons sent to be fitted for orthopedic shoes.
- 1 person sent to be fitted for an artificial limb.
- 1 person sent to be fitted for an artificial eye.

Many children and some adults were sent to the Cambridge City Hospital to have tonsils and adenoids removed.

I wish to thank all the officials connected with the department for their courteous treatment and material help.

Respectfully submitted,

WILLIAM G. BROUSSEAU, M.D.
City Physician.

ANNUAL REPORT OF THE SUPERINTENDENT OF THE
CAMBRIDGE HOME FOR THE AGED AND INFIRM

To the Board of Public Welfare:

The annual report for the Home for the nine months ending December 31, 1931 is hereby respectfully submitted.

	<i>Men</i>	<i>Women</i>	<i>Boys</i>	<i>Girls</i>	<i>Total</i>
Remaining March 31, 1931 . . .	116	51	1	2	170
Admissions	59	29	11	11	110
Total	175	80	12	13	280
Discharges	51	21	11	9	92
Remaining December 31, 1931	124	59	1	4	188

The average number present for the year was 172. The highest number for the year was 188 on December 31, 1931. The lowest number was 162 on July 27, 1931. The average age of those remaining December 31, 1931 was 62 years and 6 months.

AGE GROUPS

	<i>Male</i>	<i>Female</i>
2-5		1
5-20	1	3
15-20		
20-30	2	
30-40	1	2
40-50	11	5
50-60	33	6
60-70	40	11
70-80	31	27
80-90	6	7
90-100		1
	125	63

SOCIAL STATUS

	<i>Male</i>	<i>Female</i>
Single	49	22
Married	25	6
Divorced	3	
Widow		35
Widower	48	
	125	63

BIRTHPLACES

	<i>Male</i>	<i>Female</i>
Cambridge	18	3
Massachusetts	31	16
United States	16	10
Total	<u>65</u>	<u>29</u>
Foreign	60	34
Total	<u>125</u>	<u>63</u>

ADMISSIONS, BIRTHPLACES

Of the 110 admissions, 16 were born in Cambridge; 24 in Massachusetts; 24 in the United States, making a total of 64, while 46 were foreign born. Children are temporarily admitted because of the death of their surviving parent; because of a mother sent to the hospital for illness or confinement or operation; because of abandonment or neglect, or because their home has become uninhabitable.

Young women have been cared for until the time just prior to their being confined, when they are removed to the Municipal Hospital; others to await their removal to some other institution. Eight were under 5; 15 between 5 and 20; 15 between 20 and 50; 16 between 50 and 60; 25 between 60 and 70; 20 between 70 and 80, and 11 between 80 and 90 years of age.

DISCHARGES

Twenty-one were sent to other institutions; 12 to relatives; 11 to work; 9 to home; 10 to the state; 7 walked out; 3 to friends, and 2 were arrested for drunkenness.

DEATHS

There were 17, 12 men and 5 women. One was in the Home 14 years, 1 month and 11 days, while another was here 12 years, 5 months and 24 days; 6 were here for an average time of 10 and two-thirds days; 5 others averaged 4 months and 6 days. The average age of those who died was 73 years, 8 months and 12 days.

It is evident that the grace of God sent some of these to our Home that they might be prepared for a happy death. We are extremely happy at the return of these prodigal sons so many

years away from the sacraments of the church of their fathers. The Superintendent personally enrolls the names of all the Catholics who die in the Shrine of the good St. Anne de Beaupre, where a daily mass is offered up in perpetuity. Cambridge has reason to be proud of the respect shown her dead who die in the Home. At all burials a religious service is held, the Catholics having a requiem high mass and the non-Catholics appropriate services by a minister of their faith. The Superintendent and some of the Home folks always accompany the remains to the cemetery.

Paul Cifrino Presents Talkies. The big red-letter day of the year was April 21, when Paul Cifrino of the United Markets Incorporated presented to me a check for \$250 for the installation of talkies. The picture was "Sally," featuring Marilyn Miller and Joe Brown. It went over big, with great applause and laughter. Addresses of congratulation and thanks were made by Chairman Toomey, Commissioners Bartel and Welch, Harry Mahoney, editor of the *Sentinel*, Peter De Lucca, and the Superintendent. Mr. Cifrino was most pleased at the sight of the happy faces and the enthusiasm of the old folks, and said that he was more than paid because of the happiness he had witnessed.

Moving Pictures. These have been scattered throughout the year and have been most heartily enjoyed. Through the kindly interest of Miss Martha Ferris, secretary of the New England Film Board of Trade, we have been enabled to secure the latest and best comedies from the Paramount, Pathe, Fox, Columbia and Acme Exchanges. For the presentation of the pictures we are greatly indebted to James Burke, business representative of the International Alliance Theatrical Stage Employees, members of his organization.

Ladies Auxiliary of the Fraternal Order of Eagles. Presented their annual entertainment on Sunday, April 26, which equalled the high standard of other years. The committee came laden with candies, tobacco, cake and ice cream. The efficient committee and a large delegation were present under the leadership of Mrs. Katherine A. Normile.

The Women's Democratic Independent Club. On May 1, this well-known organization, under the leadership of Mrs. Richard M. Russell as interlocutress, repeated their recent most suc-

cessful minstrel show, presenting one of the biggest hits ever made in the Home. Mayor Russell praised their previous performances and thanked them for coming to the Home. Chairman Toomey and Overseer Bartel paid their personal compliments and thanks.

Mother's Day. This day was celebrated by the annual visit of Court Louise, Catholic Daughters of America, led by Grand Regent Margaret Cahill, and mistress of ceremonies, Mrs. William D. Berkeley. An excellent entertainment consisting of vocal solos, dances, recitations and specialty acts. Candy and tobacco were distributed to all. It was another great day for the Home folks.

The Cheerio Choristers. On Sunday, May 17, the above well-known choral society presented their annual entertainment. The members repeated the programme that was recently given in Jordan Hall on the occasion of their recital. The programme was much appreciated.

The Fourth of July. The celebration of this day was furnished through the kindness of Councillor Daniel J. Murphy, Chairman of the Committee on Public Celebrations, through the efforts of the Chairman of the Board. A bountiful supply of ice cream and tonics was served and an enjoyable concert was given by St. Mary's Boys and Girls Band under the direction of Rev. Edward J. Burke.

The Metropolitan Firemen's Legion Band. On Sunday, August 2, the above band gave a delightful concert in the areaway in the rear of the building. The members of the band, escorted by a large delegation of Cambridge firemen, marched from Wyeth Square to the Home. They were given a great reception by our citizens in their march through our streets. After their concert a luncheon was served which was much appreciated by the bandsmen. The chairman and Overseer Bartel praised their concert and thanked them for their kindness to the old folks.

Third Battalion Band of National Guards. On Monday, August 3, the colored band of the Third Battalion, 372d Infantry of the Massachusetts National Guards came from Camp Devens and presented one of the finest concerts ever given at the Home. Popular airs, southern melodies and famous marches kept the

folks intensely happy. A luncheon was served to the bandsmen which was much enjoyed. They were praised and thanked by the Superintendent.

The New York Brigade Band. On Monday, August 17, this noted band of the Colored Knights of Pythias marched from their encampment on Sherman Street to the Home. The members gave a concert, every number of which was heartily applauded by the Home folks. A delegation of uniformed knights accompanied them. A luncheon was served, which was much appreciated. I praised and thanked them in the name of the Board.

Cambridge Council 74 of the Knights of Columbus. On Columbus Day the annual visitation, presentation and entertainment was given by this Council. Grand Knight Joseph Souza led a large delegation on this visit. They came laden with candy, oranges, pears, tobacco, ice cream and cake, and staged an entertainment of the highest order. Past Grand Knight and Commissioner Bernard B. Welch welcomed and thanked them for their goodness to the Home folks.

Phil Cook Entertains. On October 20, another noted artist visited the Home and delighted all with his clever act. He was none other than Phil Cook, the noted radio star, well known as "The Quaker Man." It was another memorable occasion. He was secured through the efforts of Chairman Edward W. Toomey.

Father Callanan Day. The fifty-first anniversary of the ordination of Father Callanan was observed on December 18. The interest on his bequest left to the Home was used in buying delicacies for the Home folks, a special dinner was served. Candy was presented to the women and tobacco to the men. This event will be annually observed. An excellent entertainment was staged through the kindness of Loue Newman and Peter De Lucca.

Metropolitan Life Insurance. On Sunday, November 20, the employees of the Metropolitan Life Insurance Company, Harvard Square Branch, under the leadership of William H. Kearns, presented an excellent program which was much enjoyed. The artists decided to make it an annual event for the old folks.

North Cambridge Council and Court La Rabida. As has been their custom for a number of years the North Cambridge

Council of the Knights of Columbus and Court La Rabida of the Catholic Daughters of America made their annual visitation, presentation and entertainment on the Sunday before Christmas. This is one of those days to which the old folks look forward.

Both of these organizations appropriate money from their treasuries so that their committees can come laden with ice cream, cake, fruit, candy and tobacco. Their entertainments are of such a high standard that other organizations strive to equal it. Grand Knight Robert Martin and Grand Regent Katherine B. Berdie came with large delegations from their societies. It was the fitting climax to the entertainments of the year.

The Russell Christmas Tree and Decorations. The beautiful Christmas tree, its colored lighting effects, the lobby and hospital decorations which received so much praise were provided from the annual income of the Sarah E. Russell Fund. Mrs. Russell was the widow of Hon. Charles Theodore Russell, the mother of Ex-Governor William E. Russell and the grandmother of Mayor Richard M. Russell, all three of whom have served as mayors of our City.

Thanksgiving Day Dinner. Again the City is indebted to the Misses Copp (Minnie A. and Mae I.) for their gifts of the turkeys for this dinner. For seven years they have remembered the old folks by these generous gifts. A gift from an individual is from a sympathetic hand, while a similar gift from the City is from the cold hand of charity. If our citizens only realized the difference between a voluntary gift and one from obligation, much more happiness would be brought to our old folks.

Mrs. Larz Anderson's Gift. This good Samaritan of our Home again remembered the Home folks at Christmas by the presentation of a dollar bill to each one. No gift during the entire year is so much appreciated as this kindly remembrance on the part of Mrs. Larz Anderson.

Christian Endeavor Society Gifts. These societies of the First Baptist, North Avenue Baptist and the Broadway Baptist, the Pilgrim and the Prospect Street Congregational Churches of Cambridge and the Calvary and Trinity Churches of Arlington brought their annual Christmas gifts of candies, tobacco, ties,

handkerchiefs and other useful gifts. Each one in the Home received a gift from these societies.

Rev. Austin T. Kempton's Carolers. It would not seem like Christmas Eve if Rev. Austin T. Kempton and his carolers from the Broadway Baptist Church did not make their annual visit to the Home. For many years they have come to bring the cheer of this season to the old folks.

Individual Gifts. Magazines were received from Mrs. H. A. Chamberlain, 116 Standish Road, Belmont; James H. McCormack, 141 Huron Avenue; James M. Mathews, 51 Reservoir Street; Mrs. Daniel E. Sullivan, 29 Willard Street; Mr. J. S. Robinson, 81 Washington Avenue; and Mrs. H. R. Haughton, 148 Bowdoin Street, Belmont. Flowers were received from Mrs. George Savage, 6 Mason Road, Watertown; George B. Bacon, 15 Larch Road; Mrs. Harry Murray, 98 Highland Avenue, Arlington and Mrs. Lydia G. Dudley, 1157 Massachusetts Avenue, Lexington. Clothing was received from Mrs. G. A. Thurston, 27 Mellen Street. Candies, Peter De Lucca, manager of the Manhattan, one hundred pounds of chocolates and Howard H. Fisk, one hundred pounds of assorted candy. Mrs. El Drown, 12 Philips Place, two crates of oranges. Mrs. C. N. Greenough, 935 Memorial Drive, one barrel of Baldwin apples. Miss M. C. Worcester, 5 Bryant Street, Christmas cards and also a supply of cards and stamped envelopes to be sent out by the Home folks. Mrs. E. L. McCarthy, 7 Summer Street, aprons to women and neckties to the men. Miss Helen Gaskell, 989 Memorial Drive, gave automobile rides to the Home folks.

Improvements. The following improvements have been made during the year. The open piazzas in the help's quarters have been roofed and screened. The high bank on the pond side has been sodded and the filling in the front has been extended towards Harvard Square. We are indebted to Superintendent William R. McMenimen for the splendid lettering on the tablet "Our Good Samaritans" and for some good filling for the front area. An attractive brick shelter at the bus stop has been much appreciated by the Home folks, visitors and neighbors. An attractive storm door shelter has been added at the women's end of the Home. All the rooms and wards of the men's and women's hospitals have been painted.

Thanks to the Mayor and Members of the Board. I desire to thank Mayor Richard M. Russell, Chairman Edward W. Toomey, Commissioners Bernard B. Welch, Leo Bartel and Mrs. Corinne Conlon of the Home Committee and Mrs. Elizabeth A. Chambers for their good will, helpful advice and encouragement. They have made much lighter the burdens of my office which at times are most trying. Invaluable assistance has been given to me by the matron, Mrs. John T. Shea. The help given by Secretary James E. Finnegan and City Physician William G. Brousseau is appreciated. My sincere thanks go to those who in any way brightened the lives of those who have been placed under my care, and I trust that they will be repaid one hundred fold by Him, who rewards the giving of a cup of water in His name.

Respectfully submitted,

JOHN T. SHEA, *Superintendent.*

REPORT OF THE CAMBRIDGE CITY HOSPITAL TRUSTEES

Cambridge, Mass., December 31, 1931.

To His Honor the Mayor and the City Council:

Herewith is submitted the fifteenth annual report of the Trustees of the Cambridge City Hospital, which covers a period from April 1, 1931 to December 31, 1931, the financial year having been changed so as to begin January 1 instead of April 1 (Chapter 43, Acts of 1931), and is for nine months only. The report includes the report of the superintendent and social service worker at the hospital.

The completed hospital has provided for adequate and reasonable service both for temporary and permanent needs of those of our people requiring hospital service. The hospital can now care for about one hundred and fifty ward patients, about fifty private-room patients, and various clinics are maintained daily for the benefit of our residents. Also an out-patient department is open daily for those needing temporary treatment.

At the meeting of the Trustees held on December 28, 1931, Dr. Charles S. Cahill, who has been a member and chairman of the Board of Trustees from the date of organization, announced his resignation as a Trustee of the hospital to date from December 31, 1931 and that he had notified His Honor the Mayor to this effect. This announcement was received with regret by the other members of the Board of Trustees.

The chairman also announced at this time the death of John J. Quinlan, a Trustee of the hospital since 1920, which occurred at his home on Thursday, December 24, 1931. Suitable action as a tribute to Mr. Quinlan's service was placed on the records. We are mindful of the helpful coöperation of His Honor the Mayor and the City Council, and acknowledge with appreciation the services of the members of the staff.

CHARLES S. CAHILL, M.D., *Chairman*,
JOHN H. HURLEY,
FRANK F. ROGERS, JR.



DR. CHARLES S. CAHILL, *Chairman*

1912-1931

The hospital staff is as follows:

SURGICAL STAFF

Dr. Harry H. Germain, 475 Commonwealth Avenue, Boston (Chief).
Dr. William A. Noonan, 314 Harvard Street, Cambridge.
Dr. Edward J. O'Brien, 270 Commonwealth Avenue, Boston.
Dr. Daniel F. Mahoney, 520 Commonwealth Avenue, Boston.
Dr. John J. Murphy, 2192 Massachusetts Avenue, Cambridge.

MEDICAL STAFF

Dr. Felix F. McGirr, 1436 Cambridge Street, Cambridge (Chief).
Dr. John F. Fair, 9 Dana Street, Cambridge.
Dr. Leo Myles, 1776 Massachusetts Avenue, Cambridge.
Dr. John R. Sennott, 321 Broadway, Cambridge.
Dr. Andrew Downing, 335 Huron Avenue, Cambridge.
Dr. E. J. O'Rourke, 2280 Massachusetts Avenue, Cambridge.

ORTHOPEDIC STAFF

Dr. B. A. Godvin, 483 Beacon Street, Boston.
Dr. Arthur F. Sargent, 274 Commonwealth Avenue, Boston.

LARYNGOLOGISTS

Dr. Francis Minitier, 419 Boylston Street, Boston.
Dr. Thomas Dynan (Assistant), 490 Commonwealth Avenue, Boston
Dr. J. Paul Tierney (Assistant), 416 Marlboro Street, Boston

ROENTGENOLOGIST

Dr. Frederick W. O'Brien, 465 Beacon Street, Boston.

OBSTETRICIANS

Dr. Thomas J. Cahill, 156 Line Street, Cambridge.
Dr. Frederick J. Lynch, 475 Commonwealth Avenue, Boston.
Dr. Edward W. Feeley, 475 Commonwealth Avenue, Boston.
Dr. William B. Young, 479 Beacon Street, Boston.

PEDIATRICIAN

Dr. A. W. McGarry, 270 Commonwealth Avenue, Boston.

DENTAL SURGEON

Dr. Joseph B. Rockett, 520 Beacon Street, Boston.
Dr. Frank McLean (Assistant), 54 Warren Street, Roxbury.

SURGICAL OUT-PATIENT STAFF

Dr. Edward T. Downey, 475 Commonwealth Avenue, Boston.
Dr. Emilio D'Errico, 27 Bay State Road, Boston.
Dr. Edward Ormsby, 395 Commonwealth Avenue, Boston.
Dr. Llewellyn H. Rockwell, 270 Commonwealth Avenue, Boston.

MEDICAL OUT-PATIENT STAFF

Dr. William Archibald, 837 Massachusetts Avenue, Cambridge.
Dr. Joseph A. Bruschi, 843 Massachusetts Avenue, Cambridge.
Dr. J. Allen Thompson, 293 Broadway, Cambridge.

DERMATOLOGIST AND SYPHILOLOGIST

Dr. Walter Garfield, 19 Bay State Road, Boston.
Dr. Arthur Simmons, 1284 Commonwealth Avenue, Brookline.

ORTHOPEDIC OUT-PATIENT STAFF

Dr. Waldo W. Robbins, 16 Garfield Street.

Dr. William N. Lanigan, 357 Main Street, Medford.

PEDIATRIC OUT-PATIENT

Dr. Frank T. Downey, 294 Huron Avenue, Cambridge.

REFRACTIONIST

Dr. Hugh Donahue, 520 Commonwealth Avenue, Boston.

CONSULTANTS

Dr. William McDonald, 270 Commonwealth Avenue, Dermatologist.

Dr. Frederick Good, 20 Commonwealth Avenue, Obstetrician.

Dr. George E. McIntire, 94 Bay State Road, Surgeon.

Dr. Maxwell E. McDonald, 270 Commonwealth Avenue, Neurologist.

SUPERINTENDENT OF HOSPITAL

Gertrude D. Stapleton

REPORT OF THE SOCIAL SERVICE DEPARTMENT

April 1, 1931–December 31, 1931

During the past nine months there has been a tremendous increase in the number of patients referred to the Social Service Department, owing to the growth of the hospital intake, combined with the depression and unemployment.

The number of old cases carried on April 1, 1931.....	83
The number of old cases reinstated during the past 9 months	79
The number of new cases from April 1, 1931 to December 31, 1931.....	735
Total number of cases visited and interviewed	897

The problems these past months have been most disheartening. Practically all the patients have been receiving aid from the Department of Public Welfare. In almost no instance has there been employment. To keep up the morale — to build up the bodies and offer a cheerful prognosis to the patient — has been the job of the Social Worker and her volunteer corps.

In addition to the routine work of planning convalescent care for discharged patients; special care for children needing further medical follow-up in the home; securing orthopedic appliances for those requiring them; arranging for free prescriptions to be filled; checking up on patients reporting to the various clinics at given intervals, there has been special emphasis placed on the under-nourished patient.

Basically malnutrition and under-nourishment have been the causes of ill-health. In order to meet this problem in the most constructive way, group meetings have been arranged for mothers and home-makers. Every Friday afternoon for the past six months talks have been given in the out-patient department of the hospital on such subjects as Economical Planning, Buying for Health, and Well-Balanced Meals.

Social Service has been fortunate in securing volunteer nutritionists who have helped in a special way to carry out recommendations made by the doctors. As there have been two factors to consider, economy and health, it has been of particular value to the patient to have this guidance in buying and planning. This has been the most encouraging phase of the work.

The Department is greatly indebted to Mrs. Bouton, director

of the Cambridge Chapter of the American Red Cross, who made it possible for further volunteer service by the Gray Lady group. These ladies have done excellent work in the clinics and throughout the wards; a visiting library brings books to our patients twice a week; handwork is arranged for the children in their ward, and clerical volunteer service in the clinics; volunteer motor service and the visiting of patients referred to social service.

Appreciation is extended to all those who have helped so ably during this most trying year.

Respectfully submitted,

BEATRICE K. QUINN.

REPORT OF HOSPITAL SUPERINTENDENT

The year 1931 has been the busiest year in the history of our hospital. Our daily average of patients cared for in the hospital as well as in the Out-Patient Department shows a great increase.

One floor of the new wing has been in use since May and we are hoping to open the other ward in the new wing very soon in order to care for the excess number of patients. The present wards have been crowded to the utmost capacity all winter. The number availing themselves of the opportunity for treatment in the Out-Patient has been steadily increasing. Our Ophthalmic Clinic has been reopened. A daily Pediatric Clinic has been established. The Maternity Clinic shows satisfying results in numbers and prophylactic results.

The new operating rooms which were added during the year have aided greatly in facilitating the work of the surgeons. Our children's ward, which was opened in December, is a source of satisfaction. We have needed a separate department for the children for a long time. Within a month after opening, our present ward was filled.

Because of the facilities of the hundred rooms in the Nurses' Home which was opened during the year, we have been enabled to accept larger numbers of applicants into the Training School. This has been a great aid in helping to care for the increased number of patients. The nurses deeply appreciate the comfort and attractiveness of the new Home. The Class of 1931 had the honor of being the first class to have graduation exercises in the auditorium of the Home. This graduation was quite impressive. Dr. Charles S. Cahill, Chairman of the Board of Trustees, presided, and we were privileged in having our Mayor, the Honorable Richard M. Russell, to present diplomas. During the exercise a beautiful large silk flag was presented to the school by the Daughters of the Union Veterans of the Civil War.

The standards for admission into the Training School have been raised in order to keep our school in Class A. We now require high school graduation, as do most recognized training schools.

While our growth and progress during the past year have been satisfactory and constant, we have had one loss and some changes which have affected us deeply. Mr. John J. Quinlan, who

had served us faithfully and well for many years, passed on after a long illness. The hospital staff and nurses were glad to have had the privilege of serving him in this illness and deeply regret having to lose him.

Dr. Charles S. Cahill, who had been the Chairman of the Board of Trustees for twenty years, resigned. We regretted very much to lose the keen, active interest which he has had in the hospital in all its departments and needs.

In reviewing the year as a whole we feel that the City of Cambridge can well be proud of the help which it has extended to the sick of our City during this year, when all citizens have been affected more or less by the financial depression, which has taken its toll in physical health.

And in passing, I feel we should say a word of gratitude to the staff of doctors who have given so freely of their time and skill in caring for the sick of our City.

GERTRUDE D. STAPLETON, R.N.,
Superintendent.

BRIEF STATEMENT OF EXPENDITURES AND RECEIPTS

April 1, 1931 to December 31, 1931

Salaries.....	\$78,689 47
Services other than personal.....	17,253 00
Equipment.....	512 27
Supplies.....	78,894 14
Total.....	\$175,348 88
Received from patients, April 1, 1931 to December 31, 1931.....	\$45,676 83

STATISTICS FROM APRIL 1, 1931 TO DECEMBER 31, 1931

Total admissions to hospital during the year.....	2,612
Surgical admissions.....	1,091
Medical admissions.....	423
Obstetrical admissions.....	815
Aural admissions.....	90
Oral admissions.....	7
Orthopedic admissions.....	89
Pediatric admissions.....	93
Ophthalmic admissions.....	4
Daily average of patients in hospital.....	120
Largest number of patients in hospital in one day.....	155
Smallest number of patients in hospital in one day.....	85
Patients treated on Out-Patient Department, all clinic.....	22,251
Patients treated in accident room.....	3,430
Patients remaining in hospital April 1, 1931.....	104
Patients remaining in hospital December 31, 1931.....	106

DISCHARGES AND THEIR CLASSIFICATIONS

Year ending December, 1931

Specific Infectious Diseases — General Diseases

Abscess, thoracic wall.....	1
Abscess, tooth.....	1
Abscess, tubo ovarian.....	1
Abscess, vulvovaginal.....	4
Bronchopneumonia.....	42
Carbuncle, hip.....	1
Carbuncle, neck.....	1
Cellulitis, ankle.....	1
Cellulitis, arm.....	2
Cellulitis, foot.....	2
Cellulitis, hand.....	3
Cellulitis, knee.....	1
Cellulitis, leg.....	1
Chickenpox.....	2
Conjunctivitis, gonorrheal.....	1
Epididymitis, gonorrheal.....	5
Erysipelas.....	6
Furunculosis.....	2
Gonorrheal arthritis.....	1
Impetigo contagiosa.....	2
Infections, acute.....	28
Infections, acute respiratory.....	18
Influenza.....	1
Measles.....	3
Paronychia, finger.....	2
Pleurodynia.....	2

Pneumonia, lobar	36
Poliomyelitis, acute anterior	1
Rheumatic fever, acute	6
Scarlatina	1
Scarlet fever	5
Sore throat, septic	2
Streptococcus infection, throat	1
Syphilis, central nervous system: tabes dorsalis	2
Syphilis of aorta with aortic insufficiency	1
Syphilis, primary	1
Syphilis, secondary	1
Syphilis, tertiary	9
Tinea "epidermophytosis," skin	1
Tuberculosis, hip	1
Tuberculosis, intestines	1
Tuberculosis, lungs	16
Tuberculosis, lymph nodes (cervical region)	1
Tuberculosis, omentum	1
Tuberculosis, peritoneum	2
Tuberculosis, spine	1
Typhoid fever	1
Urethritis, gonorrheal	1
Vaginitis, gonorrheal	1
Whooping cough	1
Wounds, infected	4

Diseases Due to Animal Parasites

Oxyuris, vermicularis	1
Pediculosis	2
Scabies	6

Diseases of Metabolism

Diabetes, mellitus	8
Obesity	2

Diseases Peculiar to Infancy

Atelectasis, neonatorum	1
Diarrhea	1
Malnutrition	11
Ophthalmia neonatorum, gonorrheal	3
Regulation of feeding	4

Diseases Due to Physical Agents

Burns	10
Heat prostration	2

Poisonings, Intoxications

Alcoholism, acute	51
Alcoholism, chronic	20
Poisoning, alcohol	2
Poisoning, bichloride mercury, acute	2
Poisoning, camphorated oil, acute	1
Poisoning, carbon monoxide, acute	1
Poisoning, chlorinated soda, acute	1
Poisoning, illuminating gas, acute	1
Poisoning, illuminating gas, acute accidental	3
Poisoning, iodine, acute	4
Poisoning, lead, chronic	1

Poisoning, mercurochrome, acute	1
Poisoning, morphia, chronic	2
Poisoning, turpentine acute	1
Poisoning, turpentine acute, accidental	1
Poisoning, veronal, acute	1
Poisoning, veronal, chronic	1

Tumors, Benign and Malignant

Adenocarcinoma, ovary	1
Adenoma, lip	1
Angioma, lip	2
Carcinomatosis, abdomen	1
Carcinoma, anus	1
Carcinoma, breast	11
Carcinoma, cervix	1
Carcinoma, liver	1
Carcinoma, lung	1
Carcinoma, lymph nodes	1
Carcinoma, rectum	1
Carcinoma, sigmoid	4
Carcinoma, stomach	1
Carcinoma, uterus	3
Cyst, ovary	11
Cyst, jaw	1
Cyst, lymph nodes	2
Cyst, thyroid gland	1
Epithelioma, lip	1
Epithelioma, mouth	1
Fibroid, uterus	21
Fibroma, breast	4
Lipoma, skin	2
Lymphoblastoma, orbit	1
Myoma, uterus	1
Perithelioma, chest wall	1
Polypi, nose	2
Polypus, cervix	1
Sarcoma, femur	1
Sarcoma, lymph nodes	1
Sarcoma, neck	1
Sarcoma, retroperitoneal with liver metastitis	1
Tumor, abdomen	2
Tumor, abdominal wall	1
Tumor, neck	1
Tumor, pelvis	2
Tumor, skin	1
Verruca, skin	1

Congenital Malformations

Cleft palate and hare lip	1
Congenital heart condition, pulmonary stenosis	1
Congenital non closure, lumbar vertebrae	1
Dislocation, congenital	1
Diverticulum, meckel's	1
Pilonidal sinus	6
Scoliosis congenital	1

Injuries

Abrasions	33
Amputation, traumatic, hands	1
Amputation, traumatic, toe	1

Avulsion, teeth	1
Bite, insect forearm	1
Concussion	43
Contusions	95
Crush, fingers	1
Deformity, hip	1
Dislocations	11
Foreign body, arm	1
Foreign body, bowel	1
Foreign body, hand	1
Foreign body, heel	1
Foreign body, knee	1
Foreign body, leg	1
Foreign body, wrist	1
Fracture, acetabulum	1
Fracture, astragalus	1
Fracture, ankle	3
Fracture, clavicle	5
Fracture, digit	1
Fracture, distal phalanx	1
Fracture, femur	18
Fracture, femur, comminuted	1
Fracture, femur, compound	1
Fracture, fibula	4
Fracture, fibula, compound	1
Fracture, humerus	13
Fracture, humerus, comminuted	2
Fracture, humerus, compound	2
Fracture, knee joint	1
Fracture, mandible	2
Fracture, malleolus	8
Fracture, metatarsal	4
Fracture, nose, compound	1
Fracture, patella	2
Fracture, phalanx, compound	2
Fracture, radius	6
Fracture, radius and ulna	4
Fracture, radius and ulna, compound	2
Fracture, ribs	12
Fracture, scaphoid	1
Fracture, scapula	2
Fracture, shoulder	1
Fracture, skull	27
Fracture, skull, compound comminuted	2
Fracture, teeth	1
Fracture, tibia	13
Fracture, tibia and fibula	12
Fracture, tibia and fibula, compound	3
Fracture, toe, compound	2
Fracture, vertebrae	6
Fracture, vertebrae, compressed	2
Fracture, zygoma, comminuted	1
Injuries	1
Injury, ligament	1
Pneumocranium	1
Separation, cervical vertebrae	1
Severed artery	2
Severed tendon	2
Severed tendon, finger	1
Severed tendon, flexor longus pollicis	1

Severed tendon, hand	2
Severed tendon, tibia	1
Severed tendon, wrist	1
Sprain, back	2
Sprain, ankle	1
Sprain, hip, acute	1
Sprain, cervical spine, acute	1
Sprain, neck	2
Sprain, patella, acute	1
Strain, back	7
Strain, knee ligaments	1
Strain, lumbosacral region	2
Strain, sacro iliac, acute	5
Wounds, lacerated	59
Wounds, punctured	4
Wounds, stab	1

Diseases of the Skin

Callositas, toe	1
Dermatitis, actinica	3
Eczema (cause unknown)	5
Herpes, simplex	1
Pemphigus, foliaceus	1
Psoriasis	1

Diseases of the Circulatory System

Aneurism, carotidartery	1
Angina pectoris	3
Arteriosclerosis, general	15
Arteriosclerosis, renal	1
Asthma, cardiac	1
Auricular, fibrillation	2
Endarteritis, obliterative	1
Endocarditis, acute	2
Endocarditis, chronic	38
Endocarditis, subacute	1
Endocarditis, subacute bacterial	1
Gangrene, senile	1
Heart disease, rheumatic	1
Hypertension	2
Hypertension, primary	14
Hypertension, secondary	3
Hypotension	2
Myocarditis, chronic	33
Pericarditis, acute	1
Phlebitis	2
Rheumatic heart disease	4
Thrombosis, leg	1
Valvular disease, chronic cardiac, aortic insufficiency	2
Valvular disease, chronic cardiac, mitral insufficiency	7
Valvular disease, combined cardiac, mitral insufficiency	5
Valvular disease, chronic cardiac, mitral stenosis and regurgitation	5
Varix	6
Varicose ulcers	2

Diseases of the Lymphatic System

Lymphadenitis, with abscess, acute	1
Lymphadenitis, axilla	1
Lymphadenitis, axillary region, chronic	1
Lymphadenitis, cervical region, acute	14

Lymphadenitis, inguinal region, acute	1
Lymphadenitis, mesentery	1
Lymphangitis, extremity acute	1

Diseases of the Blood and Blood-Forming Organs

Anemia, pernicious	2
Anemia, secondary	10
Chlorosis	1
Hemophilia	1
Hodgkin's disease	2

Diseases of the Ductless Glands

Goitre, adolescent	1
Goitre, exophthalmic	1
Hyperthyroidism	2

Diseases of the Nervous System

Chorea, Sydenham's	3
Degeneration, spinal cord	1
Dementia (unqualified)	2
Dementia, senile	6
Embolism, cerebral	5
Epilepsy	9
Epilepsy, Jacksonian	2
Hemiplegia	1
Hemorrhage into cerebrum	13
Mental depression	1
Myalgia	2
Myositis	1
Neuralgia	1
Neuralgia, intercostal	1
Neuralgia, sciatica	1
Neuritis	1
Neuritis, bulbar, acute	1
Neurasthenia	1
Psychoneurosis, anxiety psychoses	3
Psychoneurosis, hysteria	6
Psychoneurosis, neurasthenia	5
Psychoses toxic, delirium tremens	2
Sciatica	1
Sclerosis, lateral	1
Syncope	1

Diseases of Bones, Joints, Muscles, Tendons, and Fascia

Abscess, femur, Brodie's	1
Arthritis, acute	12
Arthritis, acute infectious	3
Arthritis, chronic	6
Arthritis, chronic infectious	16
Arthritis, atrophic	1
Arthritis, deformans	3
Arthritis, hypertrophic	1
Bursitis, olecranon, acute	1
Bursitis, prepatella, acute	2
Dislocation, knee cartilage	4
Exostosis, astragalus	1
Exostosis, humerus	1
Exostosis, os calsis	1
Ganglion, foot	1
Ganglion, wrist	1

Hallux vulgus	1
Hammer toe	1
Neurosis, phalanx	1
Osteoarthritis, acute	1
Osteoarthritis, chronic	1
Osteoarthritis, chronic infectious	1
Osteomyelitis, acute	3
Osteomyelitis, chronic	2
Periosteal tear, cuneiform	1
Pes planus	5
Pronated feet	3
Rupture, ligament, knee	9
Scioliosis, spine	4
Separation, acromo, clavicular joint	5
Separation, cuneiform	1
Separation, sacro, iliac joint	1
Separation, symphysis pubis	2
Sinuses, multiple bone	1
Synovitis, knee, acute	1
Talipes equino varus	1

Diseases and Injuries of the Eye and the Ear. Diseases of the Eye

Burns, eyelid	1
Cataract, eye	2
Foreign body, eye	1
Hemorrhage, subconjunctival	1
Keratitis, ulcerative	1
Mastoiditis, acute	8
Mastoiditis, chronic	1
Otitis, externa	2
Otitis media, acute	3
Otitis media, subacute	1

Diseases of the Nose and Accessory Sinuses

Deviation, nasal septum	1
Eimpyema, antrum	1
Pansinusitis, acute	1
Sinusitis, chronic	3

Diseases of the Mouth, Lips, Cheeks, Pharynx, Tonsils, and Palate

Hypertrophy of tonsils	11
Hypertrophy of tonsils and adenoids	45
Naso pharyngitis	7
Peritonsilitis, acute	2
Pharyngitis, acute	2
Stomatitis	1
Tonsilitis, acute	4
Tonsilitis, follicular, acute	7
Tonsilitis, chronic	3
Vincent's angina	2

Diseases of the Jaw, Teeth, and Gums

Abscess, periapical	1
Abscess, teeth	1
Hemorrhage, post extraction of teeth	1
Infection, alveolus	1
Pyorrhea	1
Pyorrhea, alveolaris	3
Salivary calculus	1
Septic teeth	1

Diseases of the Stomach

Foreign body in G. I. tract	2
Gastritis, alcoholic	1
Gastritis (unqualified)	4
Indigestion, gastric, acute	2
Nephroptosis	1
Neurosis, gastric	5
Pylorospasm	1
Ulcer, stomach	6
Ulcer, stomach, peptic	3
Ulcer, stomach, perforating	1

Diseases of the Intestines

Adhesions, intestinal	3
Appendicitis, acute	101
Appendicitis, acute with abscess	16
Appendicitis, acute with perforation	1
Appendicitis, acute with perforation and peritonitis	2
Appendicitis, chronic	20
Appendicitis, subacute	27
Colitis	1
Colitis, ulcerative	1
Constipation	16
Diverticulitis, colon	2
Diverticulitis, colon, ruptured	1
Diverticulitis, duodenum	1
Diverticulosis, sigmoid	2
Enteritis, acute	3
Enteroptosis	1
Foreign body, intestinal tract	2
Gastro-enteritis	5
Hemorrhage, intestinal	1
Impacted feces	1
Indigestion, acute intestinal	2
Indigestion, chronic interstitial	1
Infarct, intestine	1
Intestinal obstruction	4
Intussusception	1
Lane's Kink	1
Ulcer, duodenal	26
Ulcer, duodenal, perforated	1

Diseases of the Liver and Biliary Tract

Adhesions about gall bladder	1
Choledochitis	1
Choledocholithiasis	1
Cholelithiasis	3
Cholecystitis, chronic	19
Cholecystitis, acute	7
Cirrhosis, liver	2
Jaundice, catarrhal	3
Jaundice, infectious	1

Diseases of the Pancreas

Pancreatitis, subacute	1
----------------------------------	---

Diseases of the Abdomen and Peritoneum in General

Adhesions, peritoneal	1
Ascites	3
Foreign body, abdomen	1
Hernia, femoral	2
Hernia, inguinal	33
Hernia, inguinal strangulated	1
Hernia, umbilical	1
Hernia, ventral	5
Torsion, omentum	1

Diseases of the Rectum and Anus

Contraction, sphincter ani	1
Fistula, anus	5
Hemorrhoids	8
Peri-ano inflammation	1
Proctitis	1
Prolapse, ani	1
Prolapse, rectum	1

Diseases of the Trachea and Bronchi

Asthma	3
Bronchitis, acute	11
Bronchitis, chronic	3
Bronchitis, fibrinous	1
Bronchitis, subacute	1
Bronchitis, unqualified	2

Diseases of the Lungs

Atelectasis	1
Foreign body, mediastinum	1
Oedema, lungs, chronic	1

Diseases of the Pleura and Mediastinum

Empyema, pleura	6
Pleurisy, acute	1
Pleurisy, acute fibrinous	3
Pleurisy, serofibrinous	4

Diseases of the Kidney and Ureter

Calculus, ureteral	3
Fistula, ureter	1
Nephritis, acute	2
Nephritis, chronic (unqualified)	2
Nephritis, chronic with edema	7
Nephritis chronic without edema	11
Nephrolithiasis	4
Passive congestion, kidneys, chronic	1
Pyelitis	11
Pyelonephritis	3
Renal colic	3
Stricture, ureter	1

Diseases of the Bladder

Atony, bladder	1
Caruncle, urethra	2
Cystitis, acute	5
Cystitis, chronic	2

Cystitis, subacute	1
Diverticulum, bladder, acquired	2
Retention, urine	3
Trigonitis	2

Diseases of the Urethra, Male and Female

Stricture, urethra	2
Urethritis, acute	2

Diseases of the Male Generative Organs

Edema, scrotum	1
Epididymitis, acute	3
Hydrocele	3
Hypertrophy, prostate	14
Paraphimosis	5
Phimosis	7
Prostatitis, acute	2
Undescended testicle	1
Varicocele	3

Diseases of the Female Generative Organs

Dysmenorrhea (cause unknown)	2
Endocervicitis	3
Endometritis, acute	4
Endometritis, chronic	4
Endometritis, chronic hyperplastic	2
Laceration, cervix uteri (old)	3
Laceration, cervix uteri and pelvic floor (old)	2
Laceration, pelvic floor	3
Laceration, perineum	3
Metrorrhagia (cause unknown)	2
Pelvic inflammation	25
Procidentia	1
Pyosalpinx	2
Relaxed pelvic floor with cystocele	3
Relaxed pelvic floor with cystocele and rectocele	4
Relaxed pelvic floor with procidentia	2
Relaxed pelvic floor with prolapse of uterus	2
Retroversion, uterus	8
Ruptured graafian follicle with hemorrhage	1
Salpingitis, acute	3
Salpingitis, chronic	2
Stenosis os	1
Vaginal bleeding (cause unknown)	1
Vaginitis	1

Puerperal State

Abortion	6
Hyperemesis, gravidarus	1
Laceration, cervix uteri (recent)	1
Miscarriage	61
Parturition	386
Newborn infants	377
Parturition, retained placenta	1
Pregnancy, extra uterine	4
Pregnancy, normal (undelivered)	41
Pyelitis, pregnancy	2
Toxemia, pregnancy	2

Diseases of the Breast, Male and Female

Mastitis, acute with abscess.....	1
Mastitis, chronic.....	2
Mastitis, chronic interstitial.....	2

Anaphylaxis

Hay fever.....	1
Serum sickness.....	9

Abnormalities of Urine

Bacteriuria.....	1
Gangrene, foot.....	1
Ingrown toenail.....	1

Ill-Defined, or Unclassified Diseases

Decubitus.....	1
Deferred.....	2
Hemorrhage, post operative, following tonsillectomy and adenoidectomy....	9
Immersion.....	3
Malnutrition.....	1
No disease.....	8

OPERATING ROOM RECORD

Specific Infectious Diseases. General Diseases

Abscess, abdominal wall.....	1
Abscess, axilla.....	1
Abscess, breast.....	1
Abscess, ischio rectal.....	2
Abscess, leg.....	1
Abscess, lymph nodes.....	4
Abscess, pelvis.....	4
Abscess, periurethral.....	1
Abscess, skin.....	5
Abscess, thigh.....	1
Abscess, tubo ovarian.....	1
Abscess, vulvovaginal.....	2
Carbuncle, hip.....	1
Carbuncle, neck.....	1
Cellulitis, foot.....	1
Cellulitis, hand.....	1
Epididymitis, gonorrheal, acute.....	1
Infection, finger, acute.....	2
Infection, hand, acute.....	8

Diseases of Metabolism and Deficiency

Gangrene, leg, diabetic.....	1
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Diseases Due to Physical Agents

Burns.....	1
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Tumors, Benign and Malignant

Adenocarcinoma, ovary.....	1
Adenoma, lip.....	1
Angioma, lip.....	2
Carcinoma, breast.....	8
Carcinoma, cervix.....	1

Carcinoma, rectum.....	1
Carcinoma, sigmoid.....	5
Carcinoma, uterus.....	1
Cyst, jaw.....	1
Cyst, lymph nodes.....	2
Cyst, ovary.....	7
Cyst, thyroid gland.....	1
Epithelioma, lip.....	1
Epithelioma, mouth.....	1
Fibroma, breast.....	4
Fibroid, uterus.....	19
Lipoma, skin.....	2
Lymphoblastoma, orbit.....	1
Myoma, uterus.....	1
Perithelioma, chest wall.....	1
Polypus, cervix.....	1
Polypi, nose.....	1
Sarcoma retroperitoneal with liver metastasis.....	1
Tumor, abdominal wall.....	1

Congenital Malformations

Cleft palate and hare lip.....	1
Diverticulum, Meckel's.....	1
Pilonidal sinus.....	6

Injuries

Amputation, hand, traumatic.....	1
Amputation, toe, traumatic.....	1
Foreign body, arm.....	1
Foreign body, hand.....	1
Fracture, humerus, compound.....	1
Fracture, skull, compound comminuted.....	2
Severed artery.....	2
Severed tendon, hand.....	1
Severed tendon, tibia.....	1
Severed tendon, wrist.....	2
Wound, lacerated abdominal wall.....	1
Wounds, punctured abdomen.....	1

Diseases of the Skin

Callositas, toe.....	1
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Diseases of the Circulatory System

Aneurism, carotoid artery.....	1
Varix.....	5

Diseases of the Lymphatic System

Lymphadenitis, acute, with abscess.....	1
Lymphadenitis, acute, cervical region.....	5
Lymphangitis, extremity.....	1

Diseases of the Blood and Blood-Forming Organs

Hodgkin's disease.....	1
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Diseases of the Ductless Glands

Goitre, exophthalmic.....	1
Hyperthyroidism.....	1

Diseases of Bones, Joints, Muscles, Tendons, and Fascia

Bursitis, olecranon, acute	1
Exostosis, astragulus	1
Exostosis, os calsis	1
Ganglion, foot	1
Ganglion, wrist	1
Necrosis, phalanx	1
Osteomyelitis, toe	1
Osteomyelitis, chronic, finger	1
Osteomyelitis, chronic, leg	1
Talipes, equino varus	1

Diseases and Injuries of the Eye and the Ear

Cataract, eye	2
Mastoiditis, acute	6
Mastoiditis, chronic	1
Otitis, externa	1

Diseases of the Nose and Accessory Sinuses

Deviation, nasal septum	1
Empyema, antrum	1
Sinusitis, chronic	2

Diseases of the Mouth, Lips, Cheeks, Pharynx, Tonsils, and Palate

Hypertrophy of tonsils	8
Hypertrophy of tonsils and adenoids	39

Diseases of the Jaw, Teeth, and Gums

Pyorrhea	1
Salivary calculus	1

Diseases of the Stomach

Nephroptosis	1
Ulcer, stomach (perforating)	1

Diseases of the Intestines

Adhesions, intestinal	1
Appendicitis, acute	101
Appendicitis, acute with abscess	16
Appendicitis, acute with perforation	1
Appendicitis, acute with perforation and peritonitis	3
Appendicitis, chronic	14
Appendicitis, subacute	23
Diverticulum, colon ruptured	1
Infarct, intestine (mesentery thrombosis)	4
Intestinal obstruction	1
Intussusception	1
Lane's kink	1

Diseases of the Liver and Biliary Tract

Cholecystitis, acute	2
Cholecystitis, chronic	4
Choledochitis	1
Cholelithiasis	3

Diseases of the Pancreas

Pancreatitis, subacute	1
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Diseases of the Abdomen and Peritoneum in General

Hemoperitoneum.....	1
Hernia, femoral.....	3
Hernia, inguinal.....	30
Hernia, inguinal, strangulated, acute.....	1
Hernia, ventral.....	4
Hernia, umbilical.....	1
Torsion, omentum.....	1

Diseases of the Rectum and Anus

Contraction, sphincter ani.....	1
Fistula, anus.....	5
Hemorrhoids.....	7

Diseases of the Pleura and Mediastinum

Empyema of pleura.....	7
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Diseases of the Kidney and Ureter

Calculus, ureteral.....	3
Caruncle, urethra.....	1

Diseases of the Bladder

Cystitis, chronic.....	1
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Diseases of the Male Generative Organs

Epididymitis, acute.....	1
Hydrocele.....	2
Hypertrophy of prostate.....	7
Paraphimosis.....	2
Phimosis.....	5
Varicocele.....	2
Undescended testicle.....	1

Diseases of the Female Generative Organs

Endometritis, acute.....	3
Endometritis, chronic.....	2
Endometritis, chronic hyperplastic.....	2
Laceration of cervix uteri (old).....	1
Laceration of cervix uteri and pelvic floor (old).....	3
Laceration of pelvic floor.....	3
Metrorrhagia.....	1
Procidentia.....	1
Pyosalpinx.....	1
Relaxed pelvic floor with cystocele and rectocele.....	4
Retroversion, uterus.....	7
Ruptured graafian follicle with hemorrhage.....	1
Salpingitis, acute.....	2
Salpingitis, chronic.....	1

Puerperal State

Abortion.....	3
Miscarriage.....	32
Parturition, caesarian section.....	7
Pregnancy, extra uterine.....	3

Diseases of the Breast, Male and Female

Mastitis, acute with abscess.....	1
Mastitis, chronic.....	2
Mastitis, chronic interstitial.....	1

Ill-Defined, or Unclassified Diseases

Gangrene, foot	1
Ingrown toenail	1

DEATHS

Specific Infectious Diseases, General Diseases

Aerogenes capsulatus infection, leg	1
Bronchopneumonia	12
Meningitis, epidemic cerebrospinal (meningococcic)	1
Meningitis, tuberculous cerebral	1
Meningitis, tuberculous cerebrospinal	1
Pneumonia, lobar	13
Rheumatic fever, acute	1
Sepsis, general	2
Syphilis, aorta	1
Syphilis, central nervous system: tabes dorsalis	1
Syphilis, aorta with aortic insufficiency	1

Diseases of Metabolism and Deficiency

Gangrene, diabetic, leg	1
Gangrene, diabetic, foot	1

Diseases Peculiar to Infancy

Atelectasis, neonatorum	1
Malnutrition	1
Prematurity	6

Poisonings, Intoxications

Alcoholism acute	1
Alcoholism, chronic	1
Poisoning, bichloride mercury, acute	1

Tumors, Benign and Malignant

Carcinoma, abdomen	1
Carcinoma, bladder	1
Carcinoma, caecum	1
Carcinoma, intestines	1
Carcinoma, liver	1
Carcinoma, stomach	1
Carcinoma, uterus	1
Carcinomatosis, breast	1
Carcinomatosis, general	1

Injuries

Fracture, skull	6
Injuries, intracranial	1
Malformation, skull	1

Diseases of the Circulatory System

Coronary occlusion	1
Dilatation, heart, acute	1
Endocarditis, chronic	11
Gangrene, senile	1
Heart diseases, arteriosclerotic	1
Myocardial insufficiency	1
Myocarditis, chronic	21
Pericarditis, acute	1
Rheumatic heart disease	1

Diseases of the Lymphatic System

Thymicolymphaticus	1
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Diseases of the Blood and Blood-Forming Organs

Anemia, pernicious	1
Leukemia, lymphoid, chronic	1

Diseases of the Nervous System

Embolism, cerebral	1
Hemorrhage into cerebrum	13
Insanity, maniac, depressive	1
Meningitis, unqualified	2

Diseases of the Intestines

Diverticulitis with perforation	1
Infarct of intestine	1
Intestinal obstruction	6
Intussusception	1
Ulcer, perforated intestines	1

Diseases of the Abdomen and Peritoneum in General

Hemoperitoneum	1
Peritonitis, general, acute	4
Peritonitis, unqualified	1

Diseases of the Larynx

Edema, glottis	1
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Diseases of the Lungs

Embolism, pulmonary	1
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Diseases of the Pleura and Mediastinum

Empyema, pleura	1
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Diseases of the Kidney and Ureter

Nephritis, glomerular, acute	1
Uremia, chronic	2

Diseases of the Male Generative Organs

Senile prostatitis, acute	1
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Puerperal State

Pregnancy, eclampsia	1
Septicaemia, puerperal	1
Stillborn	16

Ill-Defined or Unclassified Diseases

Shock, surgical	3
Shock, traumatic	1

REPORT OF THE SUPERINTENDENT OF THE CAMBRIDGE CEMETERY

Cambridge, January 1, 1932.

To His Honor the Mayor and City Council:

I hereby submit to you the seventy-eighth annual report of the Superintendent of Cambridge Cemetery, the same being for the period beginning April 1, 1931 and ending December 31, 1931.

THE RECEIPTS HAVE BEEN AS FOLLOWS

Burial fees.....	\$8,254 00
Removal fees.....	318 00
Tomb fees.....	26 00
Sales of lots and graves.....	19,259 08
Brick and slate graves.....	205 00
Foundations.....	3,359 06
Grading and sodding.....	887 00
Care of lots and graves.....	2,557 50
Evergreen.....	1,810 00
Chapel fees.....	84 00
Perpetual care, interest.....	5,884 87
Sundries.....	18 00
Total receipts.....	<u>\$42,662 51</u>
Lots taken into perpetual care.....	98
Amount received for deposit on same.....	\$6,945 10

THE FOLLOWING STATISTICS MAY BE OF INTEREST

Interments April 1, 1931 to December 31, 1931.....	666
Total number of interments to December 31, 1931.....	45,561
Graves sold April 1, 1931 to December 31, 1931.....	221
Lots sold April 1, 1931 to December 31, 1931.....	92
Graves ready for sale.....	138
Lots ready for sale.....	186
Estimated value of lots and graves ready for sale.....	\$42,000 00
Lots and graves in annual care April 1, 1931 to December 31, 1931...	468

EXPENDED FOR SALARIES APRIL 1, 1931 TO DECEMBER 31, 1931

A-1 and A-3. Total appropriation.....	\$26,657 00
Amount expended for salaries and wages.....	25,810 10
Balance.....	<u>\$846 90</u>
Amount transferred to A-2 appropriation.....	200 31
Balance.....	<u>\$646 59</u>
Amounts transferred to various other schedules.....	646 59
A-1 Net balance unexpended.....	.....
A-2. Total appropriation.....	\$18,150 00
Additional appropriation by transfer from A-1 appropriation.....	200 31
Total.....	<u>\$18,350 31</u>
Amount expended for wages.....	18,350 31
Balance.....	.....

TOTAL EXPENDITURES

A-1, A-2 and A-3 appropriations.....	\$44,807 00
Total expended.....	44,160 41
Balance.....	\$646 59
Transferred to various other schedules.....	646 59
Balance.....	.....

EXPENDED AS FOLLOWS

Superintendent.....	\$2,475 00
Assistant Superintendent.....	2,023 00
Clerk of Board.....	225 00
Permanent men.....	21,087 10
Transient men.....	18,350 31
	\$44,160 41

EXPENDED FOR SUPPLIES

	<i>Appropriated</i>	<i>Expended</i>
Schedule B.....	\$1,444 81	\$1,428 68
Schedule C.....	1,088 55	1,088 11
Schedule D.....	4,315 50	4,308 58
Schedule E.....	1,444 13	1,444 13
Schedule F.....	5,147 60	5,147 60
Totals.....	\$13,440 59	\$13,417 10
	13,417 10	
Net balance unexpended.....	\$23 49	

In submitting this seventy-eighth annual report I again make the following recommendations:

That, if possible, the land with buildings thereon abutting the Cemetery which is owned by Mount Auburn Cemetery be purchased and added to the Cemetery before it is sold for real estate development. When Mount Auburn Cemetery have completed their new buildings that they are now erecting for garage, shops and other purposes, they intend to dispose of this land according to information received from the Superintendent of the Mount Auburn Cemetery.

I also recommend that filling be purchased for the filling-in of our low lands so this land can be made available for burial purposes. That new equipment for the Cemetery be purchased in the form of one small dump truck, one motor mower, one lowering device, and new sets of evergreen.

I also again recommend an appropriation for the purchase of permanent markers to mark the perpetual care lots. I again

recommend an appropriation for the building of a garage containing room for storage of tools and equipment and also a workshop. If Mount Auburn Cemetery land is purchased, this will not be necessary for some years to come as the buildings on this land could be repaired and used for this purpose.

I again recommend an appropriation for the building of permanent roads in the Cemetery.

The average of burials has been slightly increased since the last report. More single graves are purchased now instead of lots, and for that reason we must continue to make land for accommodation of those of our citizens whom at the time of bereavement cannot afford to purchase a lot.

Respectfully submitted,

THOMAS J. CAVANAGH,
Superintendent.

SANDERS TEMPERANCE FUND

January 2, 1932.

Honorable Richard M. Russell,
Frederick Burke,
Cambridge City Council.

Gentlemen: I herewith submit my first report of my stewardship as City Missionary, for the past five months, in the Third District Court.

I have spoken to 731 males and 38 females in the cause of temperance. I have sometimes visited the station houses on Sundays, in most cases with good results. I have coöperated with the court, police, and probation officers, and any recommendation of mine is given careful consideration.

In conclusion, gentlemen, let me state that if temperance does not gain next year, it will be from no negligence of mine.

Respectfully,

JOHN F. CAWLEY,
City Missionary.

APPENDICES

CITY ORDINANCES

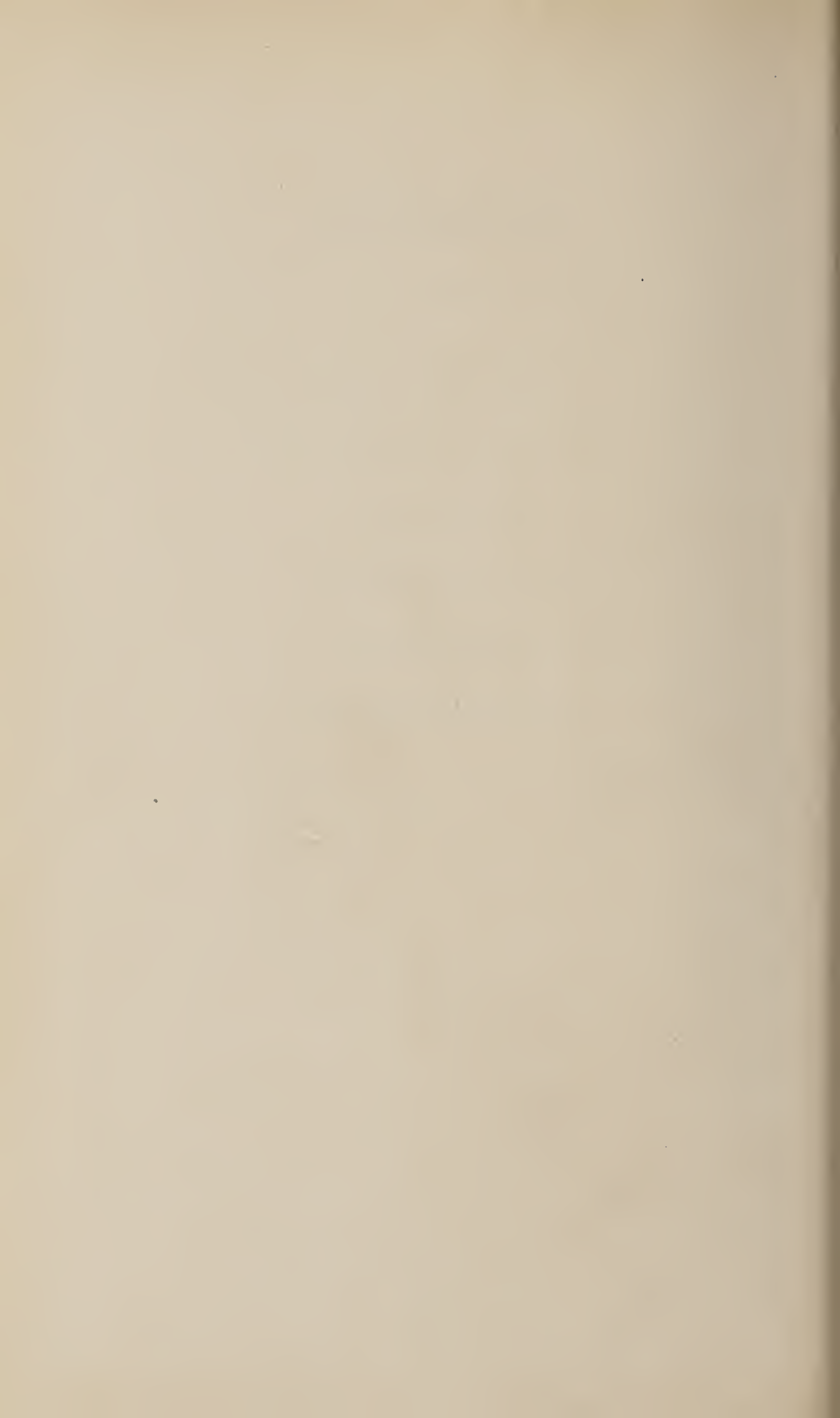
ELECTION COMMISSIONERS

WATER BOARD

BOARD OF HEALTH

PUBLIC LIBRARY

SCHOOL COMMITTEE



CITY OF CAMBRIDGE

MASSACHUSETTS

ORDINANCES

Passed to be Ordained

From April 1, 1931, to January 1, 1932



PRINTED UNDER THE DIRECTION OF THE CITY CLERK

ORDINANCES

PASSED TO BE ORDAINED FROM APRIL 1, 1931
TO JANUARY 1, 1932

AN ORDINANCE

In amendment to an ordinance entitled: "Establishing a Bureau of Fire Prevention Providing Officers therefor and Defining Their Powers and Duties."

Be it ordained by the City Council of the City of Cambridge as follows:

Section 8 is hereby amended by striking out the first, second and third paragraphs and inserting in place thereof the following:

It shall be the duty of the Chief of the Fire Department to inspect, or cause to be inspected by the Bureau of Fire Prevention, or by the Fire Department officers and members, as often as may be necessary, but not less than twice a year, all buildings, premises and public thoroughfares for the purpose of ascertaining and causing to be corrected any conditions liable to cause fire, or any violations of the provisions or intent of any ordinance of the City affecting the fire hazard. This section shall not authorize entry into a one family or two family dwelling without the consent of the occupant.

They shall, in writing, order such conditions to be remedied, and whenever such officers or persons find in any building or upon any premises any accumulations of combustible rubbish, including waste paper, rags, cardboard, string, packing material, sawdust, shavings, sticks, waste leather or rubber, broken boxes or barrels or other refuse that is or may become dangerous as a fire menace or as an obstacle to easy ingress into, or egress from such building or premises, they shall, in writing order same to be removed or such condition to be remedied. Notice of such order shall be served upon the owner, occupant or his authorized agent. If said order is not complied with within twenty-four hours, the person making such order, or any person designated by him, may enter into such building or upon such premises and remove such rubbish or abate such condition at the expense of such owner or occupant,

and the expense of same shall be a lien upon such building or premises in accordance with the provisions of Chapter 148 of the General Laws as amended by the Acts of 1930, Chapter 399.

Any such owner or occupant who fails or refuses to comply with said order shall be punished by a fine of not more than fifty dollars as provided in the Acts of 1930, Chapter 399, Section 5.

Section 9 is hereby amended by striking out the entire section and inserting in place thereof the following:

Whenever any inspector finds any building or other structure, which, on account of the absence of or inadequate fire escapes, or lack of automatic or other fire alarm apparatus or fire extinguishing equipment, or by reason of age or dilapidated condition, or from any other cause, is especially liable to fire, and which is situated as to endanger other property or the occupants thereof, he shall immediately, in writing, report such conditions to the Chief of the Department who shall take the necessary steps to see that the conditions are corrected.

Section 15 is hereby repealed.

In City Council, March 24, 1931.

Passed to be ordained.

JEREMIAH J. O'CONNOR,
President.

Executive Department, April 4, 1931. Vetoed.

RICHARD M. RUSSELL,
Mayor.

In City Council, April 21, 1931. Passed to be ordained over veto.

JEREMIAH J. O'CONNOR,
President.

A true copy,
Attest:

FREDERICK H. BURKE,
City Clerk.

AN ORDINANCE

In amendment to an ordinance entitled: "Regulation of Traffic."
Be it ordained by the City Council of the City of Cambridge as follows:

Article VIII is hereby amended by striking out Section 51 and substituting in place thereof the following new section:

Section 51. Safety zones or islands shall be provided at all car stops on Massachusetts Avenue, from Waterhouse Street to the Arlington Line; and parallel parking shall be permitted between such safety zones or islands and the curb for a period of not more than thirty (30) minutes. Vehicles may proceed either to the right or left of islands.

In City Council, March 17, 1931.

Passed to be ordained.

JEREMIAH J. O'CONNOR,
President.

Executive Department, March 24, 1931.

Vetoed.

RICHARD M. RUSSELL,
Mayor.

In City Council, April 21, 1931.

Passed to be ordained over veto.

JEREMIAH J. O'CONNOR,
President.

A true copy,

Attest:

FREDERICK H. BURKE,
City Clerk.

AN ORDINANCE

In amendment to an ordinance entitled: "Regulation of Traffic."
Be it ordained by the City Council of the City of Cambridge as follows:

Section 1 of Article VII is hereby amended by including in the list of one-way streets the following:

Green Street — one way from Magazine Street to Pearl Street in a southeasterly direction.

Passed to be ordained, June 2, 1931.

Approved by the Mayor, June 4, 1931.

AN ORDINANCE

In amendment to an ordinance entitled: "Regulation of Traffic."
Be it ordained by the City Council of the City of Cambridge as follows:

Section 1 of Article VII is hereby amended by including in the list of one-way streets the following:

Franklin Street — one way from Pearl Street to Magazine Street in a northwesterly direction.

Passed to be ordained, June 2, 1931.

Approved by the Mayor, June 4, 1931.

AN ORDINANCE

In amendment to an ordinance entitled: "Construction, Use, Maintenance and Inspection of Buildings."

Be it ordained by the City Council of the City of Cambridge as follows:

The Zone Map accompanying ordinance adopted December 31, 1923, and approved January 7, 1924 entitled: "Construction, Use, Maintenance and Inspection of Buildings" is hereby amended by establishing new lines and striking out the designation R-3 as shown on said Zone Map and substituting in place thereof new lines and the designation U-2 in so far as the said Zone Map relates to the following described parcel of land:

Beginning at a point in the southerly line of Charles Street, two hundred ninety-three and twenty-eight hundredths (293.28) feet westerly from the westerly line of Sixth Street, thence easterly along said southerly line of Charles Street one hundred three and twenty-eight hundredths (103.28) feet to a corner at a passageway, thence southerly along the westerly line of said passageway one hundred (100) feet to a corner, thence westerly parallel to and one hundred (100) feet distant southerly from the southerly line of Charles Street one hundred three and twenty-eight hundredths (103.28) feet to a corner, thence northerly along the division line between Lot No. 19 and Lot No. 28 on Assessors' Block Plan No. 32, one hundred (100) feet to the point of beginning in the southerly line of Charles Street. Containing 10,328 square feet more or less.

The above described parcel of land is shown on Assessors' Block Plan No. 32, Lot No. 19, on file in the office of the Assessors of Cambridge, Mass.

Passed to be ordained, June 2, 1931.

Approved by the Mayor, June 4, 1931.

AN ORDINANCE

In amendment to an ordinance entitled: "Regulation of Traffic."
Be it ordained by the City Council of the City of Cambridge as follows:

Section 37 of Article VIII is hereby amended by striking out the entire section and substituting in place thereof the following:

"No vehicle shall be permitted to park on the westerly side of Prospect Street, between Massachusetts Avenue and a point approximately one hundred (100) feet north of Massachusetts Avenue."

Passed to be ordained June 30, 1931.

Approved by the Mayor, July 2, 1931.

AN ORDINANCE

In amendment to an ordinance entitled: "Regulation of Traffic."
Be it ordained by the City Council of the City of Cambridge as follows:

Article VIII is hereby amended by adding at the end thereof the following new section:

"No vehicle shall be permitted to park on Huron Avenue, both sides, between Cushing Street and the Belmont line."

Passed to be ordained, July 13, 1931.

Approved by the Mayor, July 15, 1931.

AN ORDINANCE

In amendment to an ordinance entitled: "Regulation of Traffic."
Be it ordained by the City Council of the City of Cambridge as follows:

Section 1 of Article VII is hereby amended by including in the list of one-way streets the following:

Mt. Vernon Street from Massachusetts Avenue to Upland Road in a westerly and northerly direction.

Passed to be ordained, July 13, 1931.

Approved by the Mayor, July 15, 1931.

AN ORDINANCE

In amendment to an ordinance entitled: "Regulation of Traffic."
Be it ordained by the City Council of the City of Cambridge as follows:

Article VIII is hereby amended by adding at the end thereof the following:

"No vehicle shall be permitted to park on Summer Street for more than one hour."

Passed to be ordained, July 13, 1931.

Approved by the Mayor, July 15, 1931.

AN ORDINANCE

In amendment to an ordinance entitled: "Construction, Use, Maintenance and Inspection of Buildings."

Be it ordained by the City Council of the City of Cambridge as follows:

Section 5 of Division 1, Administration, is hereby amended by adding at the end thereof the following paragraph:

"When an appeal is made to the Board of Appeal and a decision rendered, no further petition relative to the same building, structure or land shall be considered for a period of at least six months."

Passed to be ordained, July 13, 1931.

Approved by the Mayor, July 15, 1931.

AN ORDINANCE

In amendment to an ordinance entitled: "Regulation of Traffic."
Be it ordained by the City Council of the City of Cambridge as follows:

Article VIII is hereby amended by adding at the end thereof the following:

"No vehicle shall be permitted to park from 4.30 p.m. to 7.30 p.m. on the easterly side of River Street from Franklin Street to Green Street."

Passed to be ordained, October 6, 1931.

Approved by the Mayor, October 8, 1931.

AN ORDINANCE

In amendment to an ordinance entitled: "Construction, Use, Maintenance and Inspection of Buildings."

Be it ordained by the City Council of the City of Cambridge as follows:

Sections 58-59-60-66-67 of Division 8 are hereby amended by striking out the entire sections and substituting in place thereof the following:

Section 58. Cast iron used in buildings and/or structures shall be of such quality as to conform with the Standard Specifications for Gray Iron Casting, Serial Designation A48-18 of the American Society for Testing Materials.

Section 59. Cast steel used in buildings and/or structures shall be of such quality as to conform with the Standard Specifications for Steel Castings, Serial Designation A27-24 of the American Society for Testing Materials.

Section 60. Structural steel shall be of such quality as to conform to Standard Specifications for Structural Steel for Buildings, Serial Designation A9-24 of the American Society for Testing Materials.

The Serial Designations as noted in Sections 58-59 and 60 may be as amended to date or the materials shall conform to such specifications as may be promulgated by the superintendent.

Section 66. (a) All structural members of cast iron shall be so proportioned that the sum of the maximum static stresses in pounds per square inch shall not exceed the following:

Tension	3,000
Shear	3,000
Bending — extreme fibre compression side	16,000
Extreme fibre tension side	3,000

(b) For compression on columns the allowable stresses shall not exceed those specified under Section 69.

(c) All structural members of cast steel shall be so proportioned that the sum of the maximum static stresses in pounds per square inch shall not exceed the following:

Tension	16,000
Compression	16,000

Section 67. All members of structural steel shall be so proportioned that the sum of the maximum static stresses in pounds per square inch shall not exceed the following:

(a) Tension.

Rolled steel, on net section 18,000

On the area of the nominal diameter of rivets under the limitations defined in paragraph (h) 13,500

(b) Compression.

Rolled steel, on short lengths or where lateral deflection is prevented 18,000

On gross section of columns,

$$\frac{18,000}{1 + \frac{1}{2}}$$
$$18,000r$$

with a maximum of 15,000

in which l is the unsupported length of the column, and r is the corresponding least radius of gyration of the section, both in inches.

For main compression members, the ratio l/r shall not exceed 120, and for bracing and other secondary members, 200.

(c) Bending.

On extreme fibres of rolled shapes, and built-up sections, net section, if lateral deflection is prevented 18,000

When the unsupported length l exceed 15 times b , the width of the compression flange, the stress in pounds per square inch in the latter shall not exceed

$$\frac{20,000}{1 + \frac{1}{2}}$$
$$2,000b$$

The laterally unsupported length of beams and girders shall not exceed 40 times b , the width of the compression flange.

On extreme fibres of pins, when the forces are assumed as acting at the center of gravity of the pieces... 27,000

(d) Shearing.

On pins... 13,500

On power-driven rivets... 13,500

On turned bolts in reamed holes with a clearance of not more than 1/50 of an inch... 13,500

On hand-driven rivets... 10,000

On unfinished bolts... 10,000

On the gross area of the webs of beams and girders where h , the height between flanges in inches, is not more than 60 times t , the thickness of the web in inches... 12,000

On the gross area of the webs of beams and girders if the web is not stiffened where h , the height between flanges in inches, is more than 60 times t , the thickness of the web, the maximum $\frac{V}{A}$ shear per square

inch, $\frac{V}{A}$ shall not exceed

$$1 + \frac{18,000}{7200t}$$

In which V is the total shear, and A is gross area of web in square in.

(e) Bearing.

	<i>Double Shear</i>	<i>Single Shear</i>
On pins...	30,000	24,000
On power-driven rivets...	30,000	24,000
On turned bolts in reamed holes...	30,000	24,000
On hand-driven rivets...	20,000	16,000
On unfinished bolts...	20,000	16,000

On expansion rollers per lineal inch 600 times the diameter of the roller in inches.

(f) Combined Stresses. For combined stresses due to wind and other loads, the permissible working stress may be increased 33 1/3 per cent, provided the section thus found is not less than that required by the dead and live loads alone.

(g) Members Carrying Wind Only. For members carrying wind stresses only, the permissible working stresses may be increased $33\frac{1}{3}$ per cent.

(h) The end reaction of trusses, girders or beams and the axial stresses of tension or compression members which are carried on rivets, shall have such stresses developed by the shearing and bearing values of the rivets; but where rivets are used for shelf or bracket supports or for connections that also provide rigidity to the structure, the rivets may, in addition to their shearing and bearing stresses, carry tension as defined in paragraph (a).

(i) Steel Joists.

Form. Steel joists shall be in general in the form of beams made of rolled, pressed or welded members, or formed like true trusses fabricated by welding or riveting or by expanding rolled shapes.

Use. Steel joists may be used for supporting floors and roofs as fillers between the main supporting girders, beams or walls. Such joists shall not be used in the floor or roof construction in buildings exceeding eight stories high or in buildings where the live load exceeds sixty pounds per square foot.

Design. Steel joists having solid webs shall be designed as beams, according to the stresses given in this code.

Load. Every steel joist when erected and bridged shall be capable of safely sustaining a concentrated load at any panel point of at least 800 pounds on any one joist. The steel joists shall be designed to carry directly the total dead load of partitions where they occur, in addition to all other dead and live loads imposed.

Connections. Connections shall be designed with as little eccentricity as possible and all stresses due to eccentricity shall be included with primary stresses in designing. If connections are welded they shall be made by electric or gas weld. Connections shall be capable of resisting a maximum load at least three times the designed load.

Span. The span of joists having an all steel top chord shall not exceed 550 times the radius of gyration of the top chord in a plane perpendicular to the web of the joist, but in case the top chord consists of a flat top section continuous with a center web, the radius of gyration of the top plate alone shall be taken. In the case of joists having a top chord of steel with a wood nailing

strip attached, the span shall not exceed 160 times the total width of the top chord. The span shall not exceed 24 times the depth of the steel portion of the joist for open web joists, but solid web joists may exceed this ratio if the fibre stress is reduced to maintain a deflection of not to exceed $1/360$ of the span for the live load.

Bridging. As soon as joists have been erected bridging shall be installed between them before application of construction loads. Such bridging shall securely support the top chord of the joist against lateral displacement and shall be rigid in character and capable of transmitting directly at least 500 pounds to the two adjoining joists at each line of bridging.

Bearing and Anchoring. Steel joists shall have a bearing of at least 4 inches on masonry or concrete, and $2\frac{1}{2}$ inches on steel. The bearing stresses shall not exceed the safe stresses permitted herein. All joists shall be anchored to supports so as to prevent dislodgment during erection, and in the case of buildings having a height more than twice the least dimension of the base they shall be riveted, bolted or welded to all steel supports. Any joist at the end of a panel shall be braced laterally by anchors or ties at each line of bridging.

Passed to be ordained, October 20, 1931.

Approved by the Mayor, October 22, 1931.

AN ORDINANCE

In amendment to an Ordinance entitled "Construction, Use, Maintenance and Inspection of Buildings."

Be it ordained by the City Council of the City of Cambridge as follows:

The Zone Map accompanying ordinance adopted December 31, 1923 and approved January 7, 1924 entitled: "Construction, Use, Maintenance and Inspection of Buildings," is hereby amended by establishing new lines and striking out the designation B-2 as shown on said Zone Map and substituting in place thereof new lines and the designation U-1 in so far as the said Zone Map relates to the following described parcel of land:

Beginning at a point in the easterly line of Concord Avenue at the division line between lots No. 29 and No. 28 on Assessors Block Plan No. 265, thence northerly along said easterly line of Concord Avenue forty-three and three tenths (43.3) feet more or

less to a corner, thence easterly by a curved line along a right of way six hundred thirty-one and sixteen hundredths (631.16) feet more or less to a corner in the northerly location line of the Watertown Branch of the Fitchburg Railroad, thence southwesterly along the said northerly location line of the Watertown Branch of the Fitchburg Railroad one hundred eighty-four and six tenths (184.6) feet to a corner at the division line between Lots No. 28 and No. 29, thence westerly along said division line between Lots No. 28 and No. 29, four hundred thirty-three and two tenths (433.2) feet more or less to the point of beginning. Containing twenty thousand six hundred twenty-three (20,623) square feet more or less.

The above described parcel of land is shown on Assessors' Block Plan No. 265, Lot No. 28 on file in the office of the Assessors of Cambridge, Mass.

Passed to be ordained, November 10, 1931.

Approved by the Mayor, November 12, 1931.

AN ORDINANCE

In amendment to an ordinance entitled: "Regulation of Traffic." Be it ordained by the City Council of the City of Cambridge as follows:

Section 1 of Article VII is hereby amended by including in the list of one-way streets the following:

Miller Avenue from Orchard Street to Elm Street in a westerly direction.

Tenney Street from Orchard Street to Elm Street in an easterly direction.

Passed to be ordained, November 24, 1931.

Approved by the Mayor, November 27, 1931.

AN ORDINANCE

In amendment to an ordinance entitled: "Regulation of Traffic." Be it ordained by the City Council of the City of Cambridge as follows:

Section 1 of Article VII is hereby amended by including in the list of one-way streets the following:

Franklin Street — one-way from River Street to Magazine Street in a southeasterly direction.

Passed to be ordained, November 24, 1931.

Approved by the Mayor, November 27, 1931.

AN ORDINANCE

In amendment to an ordinance entitled: "Regulation of Traffic." Be it ordained by the City Council of the City of Cambridge as follows:

Article VIII is hereby amended by adding at the end thereof the following new section:

"No vehicle shall be permitted to park on the easterly side of Phillips Place between Mason Street an angle and on the southerly side of Phillips Place between angle and Berkeley Street."

Passed to be ordained, November 24, 1931.

Approved by the Mayor, November 27, 1931.

AN ORDINANCE

In amendment to an ordinance entitled: "Regulation of Traffic." Be it ordained by the City Council of the City of Cambridge as follows:

Section 1 of Article VII is hereby amended by including in the list of one-way streets the following:

Hollis Street from Massachusetts Avenue to Rindge Avenue, in a southerly direction.

Passed to be ordained, November 24, 1931.

Approved by the Mayor, November 27, 1931.

AN ORDINANCE

In amendment of an ordinance entitled: "City Electrical Department."

Be it ordained by the City Council of the City of Cambridge as follows:

Section 18, of Chapter 14, of the Revised Ordinances of 1892, as amended to November 8, 1899, is hereby further amended by striking out said section 18 in its entirety and substituting in place thereof the following:

Section 18. All poles in sidewalks shall be set upon the outer edge thereof, and, wherever there are curbstones, placed within

four inches of the inner edge of the curbstones. Poles for telegraphs, telephone, and electric light lines shall be straight, smooth shaven, free from blemishes, and so stained, treated or painted and of such quality of material and construction as the Pole and Conduit Commission in each case and permits given therefor, shall determine. Before any poles are set or reset, or any permits given therefor, they must be inspected and approved by the Superintendent of Streets and the City Electrician. The person or persons to whom permits are granted shall keep the poles stained, treated, or painted to the satisfaction of the City Electrician. Poles for support of trolley, guard, span of feed wires of the street railway system shall be cylindrical iron poles, unless otherwise ordered by the City Council or the Pole and Conduit Commission.

Passed to be ordained, November 24, 1931.

Approved by the Mayor, November 27, 1931.

AN ORDINANCE

In amendment to an ordinance entitled: "Construction, Use, Maintenance and Inspection of Buildings."

Be it ordained by the City Council of the City of Cambridge as follows:

The Zone Map accompanying ordinance adopted December 31, 1923 and approved January 7, 1924 entitled: "Construction, Use, Maintenance and Inspection of Buildings" is hereby amended by establishing new lines and striking out the designation R-2 as shown on said Zone Map and substituting in place thereof new lines and the designation B-2 in so far as the said Zone Map relates to the following described parcel of land:

Situated on Memorial Drive and numbered 516, all as shown on Assessors' Block Plan No. 62, Lot No. 3 and containing 58,000 square feet, more or less.

Passed to be ordained, November 24, 1931.

Approved by the Mayor, November 27, 1931.

AN ORDINANCE

In amendment to an ordinance entitled: "Regulation of Traffic."

Be it ordained by the City Council of the City of Cambridge as follows:

Section 52 of Article VIII is hereby amended by striking out said section and inserting in place thereof the following:

“Article 8 shall be effective only during such time as official signs are erected and maintained in each block designating the provisions of this section and located so as to be easily visible at all times to approaching drivers. Sufficient number of such signs must be provided so that a car cannot be parked in a limited or prohibited parking place without having the legend side of such a sign clearly setting forth the parking regulations thereat visible from that location.”

Passed to be ordained, December 1, 1931.

Approved by the Mayor, December 3, 1931.

AN ORDINANCE

In amendment to an ordinance entitled: “Regulation of Traffic.” Be it ordained by the City Council of the City of Cambridge as follows:

Section 1 of Article VII entitled: “One-Way Streets” is hereby amended by striking out the following: “Signs shall be erected and maintained at every intersection where movement in the opposite direction is prohibited” and inserting in place thereof the following:

“Article 7 shall be effective only during such time as a sufficient number of official signs are erected and maintained at each of the exits for each one-way street so that at least one sign will be clearly visible for a distance of at least one hundred (100) feet to automobile drivers approaching such an exit.”

Passed to be ordained December 1, 1931.

Approved by the Mayor, December 3, 1931.

AN ORDINANCE

In amendment to an ordinance entitled: “Regulation of Traffic.” Be it ordained by the City Council of the City of Cambridge as follows:

Article V is hereby amended by adding the following section:

Section 17. Grade Crossings. At any grade crossing in the city, where gates have been eliminated and where the crossing is operated automatically with red, yellow and green lights, no vehicle shall cross tracks excepting when a green light shows.

Passed to be ordained, December 1, 1931.

Approved by the Mayor, December 3, 1931.

AN ORDINANCE

In amendment to an ordinance entitled: "Regulation of Traffic." Be it ordained by the City Council of the City of Cambridge as follows:

Article V is hereby amended by adding the following new section:

Section 14a. For the benefit and convenience of the riding public bus stops are hereby established and no operator shall stop, stand or park any vehicle except a Boston Elevated Railway bus at the following locations: Hampshire Street at Inman Square — stop for two (2) busses outbound. Hampshire Street at Inman Street — stop for two (2) busses inbound. Any such bus stop shall be marked by yellow paint applied to adjacent curb or street in the location designated.

Signs shall be erected and maintained in each block designating the provisions of this section.

Passed to be ordained, December 1, 1931.

Approved by the Mayor, December 3, 1931.

AN ORDINANCE

Establishing Salaries of Members of the Fire Department.

Be it ordained by the City Council of the City of Cambridge as follows:

To take effect January 1, 1932, the salaries for members of the Fire Department shall be fixed and established as follows, viz.:

Chief of Fire Department.....	\$4,500 00
Deputy Chiefs of Fire Department.....	3,500 00
Captains.....	3,000 00
Lieutenants.....	2,750 00
Enginemen.....	2,482 50
Assistant Enginemen.....	2,432 50
Privates, first twelve months' service.....	1,782 50
Privates, second twelve months' service.....	1,982 50
Privates, after two years' service.....	2,190 00

In City Council, November 24, 1931.

Passed to be ordained as amended.

JEREMIAH J. O'CONNOR, *President.*

Executive Department, December 4, 1931. Vetoed.

RICHARD M. RUSSELL, *Mayor.*

In City Council, December 15, 1931.

Passed to be ordained over veto.

THOMAS F. GIBSON,
President Pro Tempore.

A true copy,

Attest:

FREDERICK H. BURKE, *City Clerk.*

AN ORDINANCE

Establishing Salaries of Members of the Police Department.

Be it ordained by the City Council of the City of Cambridge as follows:

To take effect January 1, 1932, the salaries for members of the Police Department shall be fixed and established as follows, viz.:

Chief of Police Department.....	\$4,500 00
Captains.....	3,000 00
Lieutenants.....	2,750 00
Sergeants.....	2,550 00
Patrolmen, first twelve months' service.....	1,782 50
Patrolmen, second twelve months' service.....	1,982 50
Patrolmen, after two years' service.....	2,190 00
Policewomen, first twelve months' service.....	1,782 50
Policewomen, second twelve months' service....	1,982 50
Policewomen, after two years' service.....	2,190 00

In City Council, November 24, 1931.

Passed to be ordained as amended.

JEREMIAH J. O'CONNOR, *President.*

Executive Department, December 4, 1931. Vetoed.

RICHARD M. RUSSELL, *Mayor.*

In City Council, December 15, 1931.

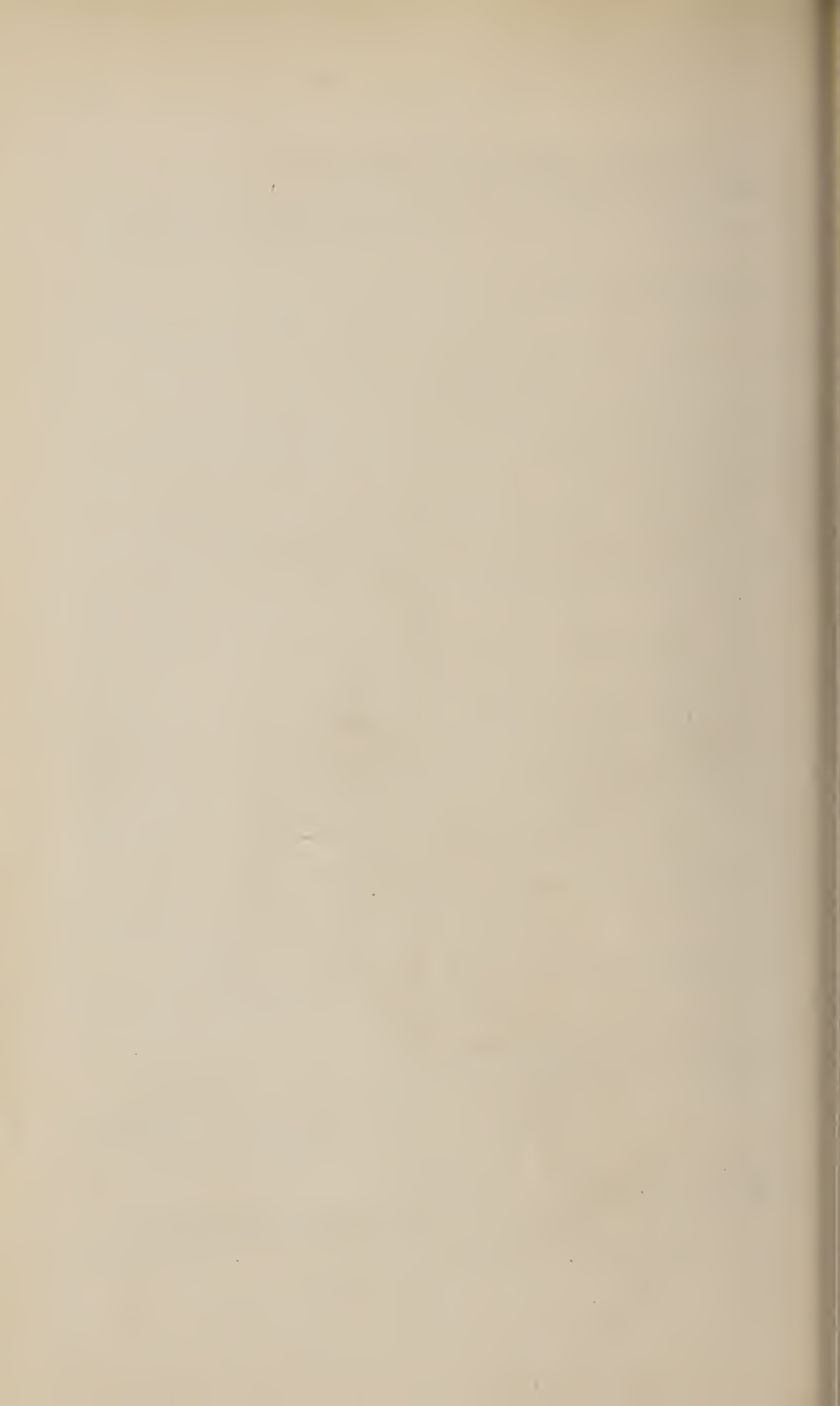
Passed to be ordained over veto.

EDWARD A. HUGHES,
President Pro Tempore.

A true copy,

Attest:

FREDERICK H. BURKE,
City Clerk.



CITY OF CAMBRIDGE
MASSACHUSETTS

REPORT
OF THE
BOARD OF ELECTION
COMMISSIONERS

For the Year Ending December 31, 1931



PRINTED FOR THE DEPARTMENT
UNDER THE DIRECTION OF THE CITY CLERK

REPORT OF ELECTION COMMISSIONERS

PRIMARY ELECTION, OCTOBER 13, 1931

CANDIDATES FOR		MAYOR (As Corrected by Recount)										ASSESSOR							
Names of Candidates		Whole Number of Ballots Cast	Stokes, Joseph M. 83 Grozier Rd.	Nelligan, Peter J. 1 Rindge Ter.	Wood, Russell A. 9 Whittier St.	Stratton, Ralph R. 1433 Cambridge St.	Brennan, John P. 24 De Wolf St.	Delaney, Patrick J. 42 Amory St.	Russell, Richard M. 16 Highland St.	O'Brien, Daniel F. 147 Concord Ave.	O'Connor, Jeremiah J. 18 Bellevue Ave.	Blanks	Spencer, John A. 78 Aberdeen Ave.	Leahy, Daniel P. 5 Rindgefield St.	Haverly, John C. 19 Agassiz St.	Fallon, Bernard F. 64 Chestnut St.	Shannon, William P. 50 Park Ave.	Sweeney, John A. 53 Cedar St.	Blanks
Ward 1	Precinct 1 ...	682	58	0	13	1	3	168	275	143	13	8	321	188	243	169	46	69	322
	Precinct 2 ...	716	65	5	9	0	2	164	302	135	21	13	360	204	233	162	51	69	353
	Precinct 3 ...	677	53	3	17	0	1	137	310	133	9	14	399	213	251	163	40	49	239
	Precinct 4 ...	636	118	3	14	1	2	78	223	181	5	11	263	180	253	180	56	65	275
	Precinct 5 ...	585	90	6	5	0	2	80	199	191	11	1	230	163	220	173	68	78	238
	Totals	3,296	384	17	58	2	10	627	1,309	783	59	47	1,573	948	1,200	847	261	330	1,427
Ward 2	Precinct 1 ...	201	19	0	5	0	0	54	70	41	7	5	44	60	79	52	21	29	117
	Precinct 2 ...	794	90	4	15	0	2	137	327	196	18	5	235	226	415	306	53	74	279
	Precinct 3 ...	535	42	2	17	1	1	97	223	134	15	3	124	169	260	201	44	59	213
	Precinct 4 ...	565	40	0	15	2	4	110	282	96	6	10	136	198	229	203	54	70	238
	Precinct 5 ...	357	12	2	11	4	4	73	208	40	3	0	98	105	153	130	40	38	150
	Totals	2,452	203	8	63	7	11	471	1,110	507	49	23	637	758	1,136	892	212	270	997
Ward 3	Precinct 1 ...	553	41	3	9	1	4	124	175	184	10	2	207	141	246	188	72	54	198
	Precinct 2 ...	681	56	10	7	15	3	170	178	233	5	4	240	159	325	228	72	70	268
	Precinct 3 ...	575	46	4	5	4	9	197	211	82	11	6	168	109	353	290	30	31	167
	Precinct 4 ...	646	75	18	6	10	3	142	247	106	34	5	237	116	394	267	58	36	184
	Precinct 5 ...	559	64	10	13	7	1	139	202	78	43	2	140	107	364	286	31	18	170
	Totals	3,014	282	45	40	37	20	772	1,013	683	103	19	992	632	1,682	1,259	263	209	987
Ward 4	Precinct 1 ...	297	23	7	11	1	3	44	160	38	9	1	71	87	180	151	19	19	67
	Precinct 2 ...	473	49	25	13	16	0	45	269	36	18	2	129	102	274	218	30	22	169
	Precinct 3 ...	548	35	2	10	19	3	43	369	50	13	4	190	160	274	238	43	32	159
	Precinct 4 ...	521	30	7	12	10	13	46	369	21	10	3	181	147	254	231	39	30	160
	Precinct 5 ...	556	42	25	24	23	1	37	367	14	21	2	162	99	318	273	30	38	192
	Totals	2,395	179	66	70	69	20	215	1,534	159	71	12	733	595	1,300	1,111	161	141	747
Ward 5	Precinct 1 ...	579	38	5	20	7	6	59	326	79	29	10	155	136	304	345	34	33	151
	Precinct 2 ...	672	30	6	6	17	4	55	508	28	15	3	229	151	318	338	49	45	214
	Precinct 3 ...	770	58	10	27	18	8	65	498	63	17	6	211	155	350	409	42	44	329
	Precinct 4 ...	675	41	7	18	2	3	45	443	92	20	4	207	198	260	403	37	44	201
	Totals	2,666	167	28	71	44	21	224	1,775	262	81	23	802	640	1,232	1,495	162	166	895

Ward 6	Precinct 1 . . .	487	31	2	17	3	2	63	261	84	15	9	110	135	246	215	39	188
	Precinct 2 . . .	429	11	2	13	1	7	63	241	69	20	2	128	106	185	198	43	149
	Precinct 3 . . .	582	69	4	14	4	12	55	319	65	34	6	133	193	273	251	54	215
	Precinct 4 . . .	548	77	5	11	1	65	53	239	52	41	4	84	125	330	294	73	153
	Totals	2,046	188	13	55	9	86	234	1,060	270	110	21	455	559	1,034	958	209	705
Ward 7	Precinct 1 . . .	519	17	25	13	8	2	21	373	29	28	3	145	175	253	235	28	187
	Precinct 2 . . .	530	24	10	7	4	8	41	310	103	20	3	164	171	272	230	46	152
	Precinct 3 . . .	408	20	11	10	9	3	23	289	28	13	2	98	134	208	203	36	124
	Precinct 4 . . .	765	73	19	4	2	10	124	349	147	31	6	208	217	423	327	60	240
	Precinct 5 . . .	201	11	0	4	1	6	3	165	3	7	1	68	48	97	78	14	91
Ward 8	Totals	2,423	145	65	38	24	29	212	1,486	310	99	15	683	745	1,253	1,073	184	794
	Precinct 1 . . .	463	9	14	9	16	0	11	372	9	21	2	104	124	276	236	15	159
	Precinct 2 . . .	364	8	8	11	8	2	13	284	17	13	0	102	110	191	154	12	147
	Precinct 3 . . .	475	33	4	4	8	4	15	383	22	1	1	96	119	261	243	36	182
	Precinct 4 . . .	374	37	10	5	1	9	29	255	14	11	3	89	115	187	150	26	159
Ward 9	Totals	1,676	87	36	29	33	15	68	1,294	62	46	6	391	468	915	783	89	647
	Precinct 1 . . .	784	118	13	8	12	3	109	397	92	31	1	185	205	427	345	139	218
	Precinct 2 . . .	776	96	11	22	3	9	55	412	114	53	1	178	202	481	376	96	180
	Precinct 3 . . .	493	8	8	2	2	5	11	416	26	11	4	108	223	233	192	16	205
	Precinct 4 . . .	586	92	16	10	3	5	41	301	53	63	2	170	144	335	306	55	146
Ward 10	Precinct 5 . . .	623	141	16	3	0	2	27	329	49	42	14	177	147	321	280	105	190
	Precinct 6 . . .	498	70	12	5	4	1	52	265	41	45	3	178	99	288	230	34	159
	Totals	3,760	525	76	50	24	25	295	2,120	375	245	25	996	1,020	2,085	1,729	445	1,098
	Precinct 1 . . .	543	40	45	11	3	2	93	266	27	50	6	125	160	324	240	25	159
	Precinct 2 . . .	455	14	35	22	16	3	12	329	8	16	0	146	99	238	177	35	198
Ward 11	Precinct 3 . . .	523	38	13	19	2	1	48	301	57	41	3	137	157	263	213	49	188
	Precinct 4 . . .	622	58	7	11	0	6	50	319	108	53	10	166	178	322	272	82	174
	Precinct 5 . . .	721	42	11	11	5	2	85	380	151	28	6	221	180	386	313	136	155
	Totals	2,864	192	111	74	26	14	288	1,595	351	188	25	795	774	1,533	1,215	327	874
	Precinct 1 . . .	611	54	113	10	0	14	31	212	45	126	6	99	182	364	299	29	168
Grand Totals	Precinct 2 . . .	664	36	91	3	0	2	58	279	58	133	4	80	239	399	333	25	156
	Precinct 3 . . .	844	35	88	14	0	4	51	364	88	194	6	105	384	410	351	29	252
	Precinct 4 . . .	724	31	59	15	0	1	65	278	72	191	12	100	285	342	261	60	217
	Precinct 5 . . .	865	64	59	19	1	9	95	312	108	193	5	148	257	440	365	47	273
	Totals	3,708	220	410	61	1	30	300	1,445	371	837	33	532	1,347	1,955	1,609	190	1,066
Grand Totals		30,330	2,572	875	609	276	281	3,706	15,741	4,133	1,888	249	8,589	8,486	15,325	12,971	2,503	10,237

PRIMARY ELECTION, OCTOBER 13, 1931

REPORT OF ELECTION COMMISSIONERS

CANDIDATES FOR		SCHOOL COMMITTEE														
Names of Candidates		Whole Number of Ballots Cast	Eugene J. McCarthy 138 Spring St.	Mary G. Cullinan 356A Harvard St.	George M. Lucey 60 Gorham St.	John Lacey Delaney 14 Garden St.	James J. Cassidy 199 Lexington Ave.	Samuel B. Mannos 156 Magazine St	Ralph W. Robart 393 Broadway	Elizabeth McAuliffe 66 Dana St.	John T. Lynch, Jr. 65 Dana St.	Edward H. Redstone 46 Mt. Vernon St.	Benjamin L. Grossman 724 Cambridge St.	Francis J. DeCelles 334 Walden St.	Mary McMahon Haley 14 Fairfield St.	Blanks
Ward 1	Precinct 1.	679	227	62	35	276	250	32	130	64	53	14	30	203	116	545
	Precinct 2.	716	210	50	28	306	237	35	160	72	40	11	42	238	140	579
	Precinct 3.	677	279	44	20	276	263	28	159	67	35	16	17	225	117	485
	Precinct 4.	636	138	33	23	251	369	23	168	68	41	16	68	188	99	423
	Precinct 5.	585	114	64	24	165	342	34	127	41	52	12	54	165	184	377
Totals.....		3,293	968	253	130	1,274	1,461	152	744	312	221	69	211	1,019	656	2,409
Ward 2	Precinct 1.	201	35	20	9	73	120	6	43	16	19	8	12	33	28	181
	Precinct 2.	794	113	75	34	278	474	73	249	57	96	31	71	215	144	472
	Precinct 3.	535	79	82	21	198	272	34	197	57	57	24	27	132	98	327
	Precinct 4.	564	90	80	33	153	272	38	218	58	65	38	45	120	88	394
	Precinct 5.	357	50	55	32	75	146	22	167	69	31	74	23	61	48	218
Totals.....		2,451	367	312	129	777	1,284	173	874	257	268	175	178	561	406	1,592
Ward 3	Precinct 1.	553	99	55	19	176	347	50	142	48	58	18	48	161	137	301
	Precinct 2.	681	106	70	37	211	488	15	150	61	56	27	37	199	164	422
	Precinct 3.	574	73	68	30	191	301	31	162	46	64	44	20	228	129	335
	Precinct 4.	646	63	65	35	199	384	33	189	61	62	62	47	255	163	320
	Precinct 5.	558	38	67	20	166	271	34	203	62	41	69	31	213	135	324
Totals.....		3,012	379	325	141	943	1,791	163	846	278	281	220	183	1,056	728	1,702
Ward 4	Precinct 1.	297	41	39	20	85	154	19	119	50	43	48	12	90	54	117
	Precinct 2.	472	29	38	27	101	181	45	258	52	47	115	35	131	79	278
	Precinct 3.	548	45	70	54	101	199	52	342	70	53	134	37	133	59	286
	Precinct 4.	521	34	52	43	95	150	57	324	88	72	163	40	127	66	252
	Precinct 5.	556	31	71	28	101	192	33	325	83	79	190	30	144	63	298
Totals.....		2,394	180	270	172	483	876	206	1,368	352	294	650	154	625	321	1,231
Ward 5	Precinct 1.	579	74	76	37	139	246	60	239	71	75	75	27	154	104	360
	Precinct 2.	672	55	66	64	108	208	78	424	111	74	201	46	140	82	359
	Precinct 3.	770	88	89	74	132	284	127	370	146	71	112	43	155	80	539
	Precinct 4.	675	85	97	49	190	280	53	319	103	57	63	37	166	112	414
Totals.....		2,696	302	328	224	569	1,018	318	1,352	431	277	451	153	615	378	1,672

VOTES CAST IN CITY ELECTION

Ward 6	Precinct 1.	486	67	52	28	142	217	43	225	93	60	38	20	109	94	270
	Precinct 2.	429	50	49	41	111	176	60	194	75	42	34	36	86	89	244
	Precinct 3.	582	63	60	27	176	249	38	218	138	55	40	14	152	111	405
	Precinct 4.	548	64	49	26	183	275	15	171	105	58	40	5	187	142	324
	Totals.	2,045	244	210	122	612	917	156	808	411	215	152	75	534	436	1,243
Ward 7	Precinct 1.	519	28	56	53	111	177	33	310	72	51	184	36	142	79	225
	Precinct 2.	530	30	36	121	152	194	27	275	70	31	131	19	160	77	267
	Precinct 3.	408	26	23	17	82	157	32	245	72	33	161	22	77	52	225
	Precinct 4.	766	96	65	28	234	349	47	256	173	100	76	50	271	181	372
	Precinct 5.	201	12	22	16	34	50	11	130	25	6	76	15	38	21	147
	Totals.	2,424	192	202	235	613	927	150	1,216	412	221	628	142	688	410	1,236
Ward 8	Precinct 1.	463	16	24	30	96	132	33	315	57	23	261	20	111	42	229
	Precinct 2.	364	11	24	33	77	119	19	262	34	14	197	11	75	23	193
	Precinct 3.	475	23	39	17	117	185	20	306	65	34	199	11	137	61	211
	Precinct 4.	374	42	55	27	95	106	10	197	57	42	102	12	94	80	203
	Totals.	1,676	92	142	107	385	542	82	1,080	213	113	759	54	417	206	836
Ward 9	Precinct 1.	784	68	49	42	300	444	16	275	85	62	107	18	336	195	355
	Precinct 2.	776	71	51	28	289	403	11	311	96	57	118	17	307	169	400
	Precinct 3.	493	26	26	16	84	240	14	350	67	12	217	13	100	46	268
	Precinct 4.	586	27	35	26	185	397	10	260	47	36	119	12	170	112	322
	Precinct 5.	623	66	74	37	242	282	20	246	67	47	58	17	176	163	374
	Precinct 6.	498	24	39	21	170	266	11	235	55	34	138	12	154	98	237
	Totals.	3,760	282	274	170	1,270	2,032	82	1,677	417	248	757	89	1,243	783	1,956
Ward 10	Precinct 1.	543	34	33	108	131	196	13	212	56	52	107	20	174	194	299
	Precinct 2.	455	16	30	38	79	159	16	294	46	33	255	29	80	59	231
	Precinct 3.	523	42	45	36	156	233	17	230	36	45	116	19	175	130	289
	Precinct 4.	623	46	40	29	218	280	8	217	39	60	72	9	369	120	362
	Precinct 5.	721	63	64	38	268	342	20	258	93	51	89	23	381	123	350
	Totals.	2,865	201	212	249	852	1,210	74	1,211	270	241	639	100	1,179	626	1,531
Ward 11	Precinct 1.	611	35	61	73	180	249	10	137	38	90	49	7	181	333	390
	Precinct 2.	664	67	53	30	262	265	11	139	47	89	25	11	301	278	414
	Precinct 3.	844	64	68	53	334	268	14	195	89	168	26	22	330	315	586
	Precinct 4.	724	71	54	56	313	227	6	150	53	180	17	15	263	307	460
	Precinct 5.	866	94	55	88	349	372	16	215	56	160	36	15	322	328	492
	Totals.	3,709	331	291	300	1,438	1,381	57	836	283	687	153	70	1,397	1,561	2,342
	Grand Totals.	30,325	3,538	2,819	1,979	9,216	13,439	1,613	12,012	3,636	3,066	4,653	1,409	9,334	6,511	17,750

Ward 6	Precinct 1....	67	222	19	23	38	68	98	14	20	67	29	75	114	62	175	19	13	9	12	145	93	91	44	27	404
	Precinct 2....	65	201	14	16	46	50	77	25	16	54	37	64	137	48	133	31	13	23	10	96	84	90	38	37	311
	Precinct 3....	44	300	16	22	20	88	90	49	25	43	47	92	253	90	159	19	14	15	4	187	91	113	33	23	491
	Precinct 4....	30	285	7	15	6	107	93	57	12	33	28	75	306	164	126	4	20	12	22	147	53	102	19	9	460
	Totals.....	206	1,008	56	76	110	313	358	145	73	197	141	306	810	364	593	73	60	59	48	575	321	396	134	96	1,666
Ward 7	Precinct 1....	184	169	27	16	22	241	81	53	17	133	49	35	80	26	106	6	9	19	17	110	93	112	114	23	334
	Precinct 2....	116	160	29	21	28	182	102	46	14	100	57	84	139	32	138	7	31	29	25	117	82	104	64	15	398
	Precinct 3....	123	169	15	12	11	151	73	32	9	94	29	36	77	18	72	4	6	9	13	61	119	121	73	33	272
	Precinct 4....	80	203	22	44	23	182	217	37	23	60	167	136	323	51	243	18	22	22	24	249	102	125	50	75	562
	Precinct 5....	74	69	18	4	5	45	27	13	3	76	10	2	28	16	24	3	4	8	9	29	67	48	50	9	163
Ward 8	Totals.....	577	770	111	97	89	801	500	181	66	463	312	293	647	143	583	38	72	87	88	566	463	510	351	155	1,729
	Precinct 1....	182	188	29	3	9	158	65	36	4	167	27	22	49	22	66	3	4	11	12	74	128	144	126	17	306
	Precinct 2....	155	168	21	9	6	103	51	21	7	112	22	15	39	10	40	3	6	11	17	44	120	113	96	15	252
	Precinct 3....	128	237	32	11	9	176	61	19	11	98	22	39	60	33	62	8	16	8	21	81	145	243	89	15	276
	Precinct 4....	85	150	22	16	9	82	54	22	15	75	35	26	109	27	82	11	12	14	34	68	81	142	57	12	256
Ward 9	Totals.....	550	743	104	39	33	519	231	98	37	452	106	102	257	92	250	25	38	44	84	267	474	642	368	59	1,090
	Precinct 1....	69	261	14	36	14	206	222	41	40	89	124	205	203	56	318	24	24	21	31	230	126	203	55	33	491
	Precinct 2....	55	258	38	31	20	193	179	41	29	82	118	188	191	74	294	30	30	10	36	197	147	204	48	15	596
	Precinct 3....	86	266	16	7	12	233	47	19	6	74	23	41	66	28	47	4	9	7	18	44	253	301	60	13	292
	Precinct 4....	63	183	39	16	20	168	119	28	15	73	99	115	180	38	226	12	13	9	23	188	100	152	65	20	380
Ward 10	Precinct 5....	43	203	22	23	17	118	152	43	23	54	80	167	159	127	177	10	25	7	103	168	72	149	31	19	500
	Precinct 6....	59	172	20	16	10	187	112	19	9	67	49	94	124	27	165	13	12	10	28	156	126	143	46	18	310
	Totals.....	375	1,343	149	129	93	1,105	831	191	122	439	493	810	923	350	1,227	93	113	64	239	983	824	1,152	305	118	2,569
	Precinct 1....	76	85	40	17	21	113	128	68	70	112	66	74	122	21	184	18	61	16	6	135	108	96	93	22	420
	Precinct 2....	168	136	22	4	11	191	66	29	13	154	35	20	58	23	60	3	15	17	9	45	159	138	105	27	312
Ward 11	Precinct 3....	97	136	31	24	17	135	91	51	33	129	59	55	145	28	166	10	34	18	13	127	88	121	75	21	388
	Precinct 4....	36	214	22	29	15	133	139	118	56	71	58	85	234	38	202	14	37	9	17	155	119	186	50	7	444
	Precinct 5....	70	257	34	35	21	130	187	79	33	84	85	132	227	57	240	32	39	16	23	224	127	221	72	42	417
	Totals.....	447	828	149	109	85	702	611	345	205	550	303	366	786	167	852	77	186	76	68	686	601	762	395	119	1,981
	Precinct 1....	55	110	41	23	11	108	151	117	122	83	68	87	153	27	223	12	112	15	15	172	36	72	109	18	504
Grand Totals	Precinct 2....	28	138	29	34	4	87	147	198	202	53	83	80	208	20	208	6	76	4	9	174	38	118	148	19	545
	Precinct 3....	30	170	91	25	25	59	138	263	146	101	105	93	233	46	253	16	171	21	11	229	74	161	240	19	656
	Precinct 4....	31	128	89	32	12	72	131	151	149	77	69	94	204	37	167	22	209	25	8	200	33	143	118	19	676
	Precinct 5....	55	163	58	49	23	81	171	129	130	84	178	104	242	44	266	17	177	17	19	260	63	143	114	14	859
	Totals.....	199	709	308	163	75	407	738	858	749	398	503	458	1,040	174	1,117	73	745	82	62	1,035	244	637	729	89	3,240
Grand Totals.....		4,255		1,587	1,530	1,472	5,566	6,538	2,520	1,674	4,005	5,295	5,333	7,209	2,140	9,935	1,201	1,589	855	884	7,851	5,609	6,219	3,385	1,841	23,949

PRIMARY ELECTION, OCTOBER 13, 1931

REPORT OF ELECTION COMMISSIONERS

CANDIDATES FOR WARD COUNCILLOR

[illegible]

PRIMARY ELECTION, OCTOBER 13, 1931

CANDIDATES FOR WARD COUNCILLOR

Names of Candidates	WARD FIVE					WARD SIX					WARD SEVEN							WARD EIGHT											
	Whole Number of Ballots Cast	Edward A. Hughes 119 Brookline Street	John T. Ramsdell 15 Watson Street	Alexander H. Chapin 11 Cottage Street	James L. Donohue 6 Grove Avenue	Thomas A. Glennon 5 William Street	William D. Hillis 53 Henry Street	Chester A. Higley 19 Fairmont Street	Horace D. Powers 274 Brookline Street	Blanks	Edward F. Murphy 608 Green Street	William J. Griffiths 122 Kinnaird Street	George Murphy 77 Kinnaird Street	Frederick J. O'Connor 58 Putnam Avenue	Robert H. McCoy 339 Allston Street	Blanks	James F. Dwyer 60 Crescent Street	Stephen V. Duffy 22 Sacramento Street	N. Russell Cazmay 8 Plympton Street	Joseph A. McHugh 2 Carver Street	Timothy J. Lane 109 Museum Street	William H. Lyons 6 Arcadia Street	Nelson J. O'Brien 63 Mt. Auburn Street	Blanks	Benjamin F. Wyeth 12 Hawthorn Street	Edward J. Grant 2 Nutting Road	John D. Macbeth 9 Story Street	Blanks	
Ward 5 Prec. 1.	579	113	14	75	26	31	193	28	81	18																			
Ward 5 Prec. 2.	672	58	8	223	16	34	129	130	46	28																			
Ward 5 Prec. 3.	770	79	3	151	56	20	240	72	106	43																			
Ward 5 Prec. 4.	675	74	1	102	127	19	118	32	179	23																			
Totals.	2,696	324	26	551	225	104	680	262	412	112																			
Ward 6 Prec. 1.	486																												
Ward 6 Prec. 2.	429																												
Ward 6 Prec. 3.	582																												
Ward 6 Prec. 4.	548																												
Totals.	2,045																												
Ward 7 Prec. 1.	519																												
Ward 7 Prec. 2.	530																												
Ward 7 Prec. 3.	408																												
Ward 7 Prec. 4.	766																												
Ward 7 Prec. 5.	201																												
Totals.	2,424																												
Ward 8 Prec. 1.	463																												
Ward 8 Prec. 2.	364																												
Ward 8 Prec. 3.	475																												
Ward 8 Prec. 4.	374																												
Totals.	1,676																												

CANDIDATES FOR			MAYOR			ASSESSORS			SCHOOL COMMITTEE					COUNCILLORS-AT-LARGE (As Corrected by Recount)													
Names of Candidates			Whole Number of Ballots Cast	Daniel F. O'Brien 147 Concord Ave.	Richard M. Russell 16 Highland St.	Blanks	Bernard F. Fallon 64 Chestnut St.	John C. Haverly 19 Agassiz St.	Daniel P. Leahy 5 Rindgefield St.	John A. Spencer 78 Aberdeen Ave.	Blanks	James J. Cassidy 199 Lexington Ave.	Francis De Celles 334 Walden St.	John Lacey Delaney 14 Garden St.	Mary McMahonHaley 14 Fairfield St.	Edward H. Redstone 46 Mt. Vernon St.	Ralph W. Robart 393 Broadway	Blanks	James T. Barrett St. 619 Cambridge St.	Charles A. Delaney 58 Foster St.	Charles F. J. McCue 10 Prentiss St.	Joseph M. McElroy 2 Crawford St.	Timothy F. Murphy 4A Mt. Auburn St.	Francis J. Roche 406 Broadway	Edward J. Sennott 384 Broadway	Charles H. Shea 20 McCarthy Road	Blanks
Ward 1	Precinct 1...	718	383	329	329	6	304	319	227	351	235	416	345	402	198	45	276	472	353	196	117	306	198	357	328	286	731
	Precinct 2...	738	333	394	394	11	282	318	252	359	265	423	361	468	210	30	266	456	425	271	103	320	213	336	300	292	692
	Precinct 3...	694	327	350	350	17	247	297	165	402	277	418	338	407	172	28	249	470	303	204	73	348	205	383	269	270	721
	Precinct 4...	652	340	301	301	11	271	312	183	322	216	459	309	364	202	26	241	355	328	230	97	151	255	282	391	348	526
	Precinct 5...	633	367	262	262	4	256	297	160	337	216	475	267	335	247	34	204	337	290	203	111	148	204	291	444	304	537
Totals.....			3435	1750	1636	49	1360	1543	987	1771	1209	2191	1620	1976	1029	163	1236	2090	1699	1104	501	1273	1075	1649	1732	1500	3207
Ward 2	Precinct 1...	214	118	92	92	4	93	110	71	66	88	159	70	122	63	11	72	145	68	69	24	37	96	114	110	78	260
	Precinct 2...	814	382	428	428	4	452	493	234	260	189	589	362	453	253	89	329	367	341	273	183	239	374	446	515	324	573
	Precinct 3...	541	254	279	279	8	282	324	162	147	167	366	198	296	154	75	248	286	205	179	137	199	198	256	291	247	452
	Precinct 4...	641	230	401	401	10	331	325	218	201	207	422	230	275	191	120	352	333	277	261	149	232	286	263	320	243	533
	Precinct 5...	435	124	308	308	3	224	267	166	116	97	303	113	144	127	176	277	165	150	191	199	202	225	148	188	145	292
Totals.....			2645	1108	1508	29	1382	1519	851	790	748	1839	973	1290	788	471	1278	1296	1041	973	692	909	1179	1227	1424	1037	2110
Ward 3	Precinct 1...	576	319	255	255	2	274	311	160	242	165	435	257	286	219	57	228	246	295	183	110	156	225	284	383	284	384
	Precinct 2...	674	438	228	228	8	307	384	166	273	218	526	314	297	296	40	188	361	320	178	99	146	209	359	507	354	524
	Precinct 3...	611	303	296	296	12	361	442	139	154	126	402	265	300	223	93	264	286	279	201	161	158	209	326	396	275	439
	Precinct 4...	671	303	341	341	27	383	458	144	202	155	474	322	291	255	118	271	282	304	186	224	188	239	377	430	270	466
	Precinct 5...	580	257	310	310	13	369	436	107	129	119	393	239	228	204	115	264	297	269	154	221	182	179	291	338	268	418
Totals.....			3112	1620	1430	62	1694	2031	716	1000	783	2230	1397	1402	1197	423	1215	1472	1467	902	815	830	1061	1637	2054	1451	2231
Ward 4	Precinct 1...	320	115	199	199	6	221	204	93	76	46	222	128	127	107	92	167	117	119	125	123	136	128	151	166	113	223
	Precinct 2...	515	148	353	353	14	306	366	116	117	125	305	181	196	138	186	290	249	172	186	219	219	189	223	272	151	429
	Precinct 3...	651	138	510	510	3	374	461	185	154	128	403	195	230	144	297	443	241	257	289	304	300	199	297	162	414	
	Precinct 4...	602	96	498	498	8	355	423	204	122	100	375	193	192	133	298	429	186	203	307	316	312	303	207	220	144	396
	Precinct 5...	638	111	525	525	2	386	492	161	110	127	361	231	199	145	319	424	235	191	322	349	321	342	203	211	174	439
Totals.....			2726	608	2085	33	1642	1946	759	579	526	1666	928	944	667	1192	1753	1028	942	1229	1311	1370	1262	983	1166	744	1901
Ward 5	Precinct 1...	638	200	437	437	1	443	436	160	121	116	383	360	287	211	138	290	245	263	260	232	222	302	319	321	271	362
	Precinct 2...	753	123	622	622	8	435	502	249	189	131	443	259	218	164	366	522	287	263	360	393	405	378	222	284	227	480
	Precinct 3...	864	217	642	642	5	550	505	251	192	230	532	350	341	234	247	507	381	323	357	354	364	397	307	375	286	693
	Precinct 4...	750	222	521	521	7	522	410	198	187	183	504	292	329	195	202	405	323	302	297	288	281	327	324	341	270	570
Totals.....			3005	762	2222	21	1950	1853	858	689	660	1862	1261	1175	804	953	1724	1236	1151	1274	1267	1272	1404	1172	1321	1054	2105

CITY ELECTION, NOVEMBER 3, 1931 (Continued)

Ward 6	Precinct 1...	540	177	353	10	301	351	165	129	134	327	197	256	189	107	301	243	203	185	170	165	319	231	260	226	401
	Precinct 2...	466	164	300	2	297	279	138	114	104	307	195	196	159	92	278	171	170	185	148	179	283	219	193	218	269
	Precinct 3...	639	228	402	9	396	394	220	117	151	400	309	299	194	89	302	324	201	208	205	185	360	302	230	353	512
	Precinct 4...	612	250	357	5	367	440	168	104	145	409	275	291	237	94	250	280	194	176	177	120	361	220	226	396	582
	Totals.....	2254	819	1412	26	1361	1464	691	464	534	1443	976	1042	779	382	1131	1018	768	754	700	649	1323	972	909	1193	1764
Ward 7	Precinct 1...	644	100	536	8	332	462	249	122	123	323	189	215	153	338	440	274	202	331	463	306	327	184	206	177	380
	Precinct 2...	578	175	398	5	324	416	185	127	104	327	229	260	141	204	346	227	205	251	336	222	244	226	218	235	375
	Precinct 3...	493	81	411	1	296	376	161	61	92	290	139	154	92	275	355	174	144	283	290	265	256	141	123	122	348
	Precinct 4...	803	345	450	8	523	583	191	164	145	498	408	372	316	140	363	312	352	277	316	223	324	404	369	452	495
	Precinct 5...	260	27	230	3	141	176	71	70	62	125	47	57	64	157	205	125	74	144	142	155	133	55	62	63	212
	Totals.....	2778	728	2025	25	1616	2013	857	544	526	1563	1012	1058	766	1114	1709	1112	977	1286	1547	1171	1284	1010	978	1049	1810
Ward 8	Precinct 1...	588	62	522	4	288	459	249	70	110	355	124	144	71	438	440	192	118	394	440	392	392	101	98	84	333
	Precinct 2...	505	45	450	10	241	387	214	72	96	285	80	133	64	363	391	199	118	348	345	325	330	71	89	76	314
	Precinct 3...	548	81	467	0	314	454	210	47	71	372	138	117	117	337	391	172	109	423	364	322	361	122	98	119	274
	Precinct 4...	493	90	399	4	248	360	205	71	102	292	115	178	150	245	319	180	132	320	280	245	291	133	118	160	293
	Totals.....	2134	278	1838	18	1091	1660	878	260	379	1304	457	572	402	1383	1541	743	477	1485	1429	1284	1374	427	403	439	1214
Ward 9	Precinct 1...	882	279	594	9	540	631	229	177	187	546	448	407	286	177	366	416	367	402	319	262	404	398	427	393	556
	Precinct 2...	832	314	506	12	528	625	220	143	148	557	401	383	234	180	374	367	303	356	351	260	378	298	401	352	629
	Precinct 3...	538	59	473	6	328	400	165	72	111	361	130	134	89	316	402	182	101	411	353	332	362	80	92	105	328
	Precinct 4...	621	207	396	18	382	440	148	127	145	443	254	240	182	175	315	254	210	231	275	206	285	232	295	247	503
	Precinct 5...	694	268	412	14	410	423	185	193	177	413	268	326	247	108	351	369	301	286	237	174	248	291	322	340	577
	Precinct 6...	560	188	363	9	340	393	138	161	88	351	202	225	179	214	292	217	206	237	275	222	266	224	236	227	347
	Totals.....	4127	1315	2744	68	2528	2912	1085	873	856	2761	1703	1715	1217	1170	2100	1805	1488	1923	1810	1456	1943	1523	1773	1664	2940
Ward 10	Precinct 1...	620	212	399	9	370	431	181	129	129	330	276	242	280	166	281	285	266	258	254	218	192	251	292	275	474
	Precinct 2...	583	73	507	3	316	448	186	98	118	297	123	140	126	400	431	232	148	332	404	344	278	126	148	103	449
	Precinct 3...	609	174	430	5	338	436	209	117	118	355	284	251	176	223	312	226	212	304	295	231	270	223	247	226	428
	Precinct 4...	654	246	401	7	370	435	217	145	141	337	407	311	162	132	269	344	237	310	237	189	326	268	296	319	438
	Precinct 5...	802	318	470	14	471	568	251	181	133	473	482	388	216	162	373	312	340	365	273	241	393	370	359	392	475
	Totals.....	3268	1023	2207	38	1865	2318	1044	670	639	1792	1572	1332	960	1083	1666	1399	1203	1569	1463	1223	1459	1238	1342	1315	2264
Ward 11	Precinct 1...	665	277	364	24	416	436	214	116	148	322	277	268	400	106	222	400	299	215	220	162	214	297	331	342	580
	Precinct 2...	713	311	386	16	449	479	250	98	150	370	412	341	380	62	187	387	316	294	174	140	290	334	323	393	588
	Precinct 3...	905	382	507	16	510	517	417	140	226	397	479	529	376	72	310	552	351	393	189	236	331	422	417	509	772
	Precinct 4...	758	347	404	7	454	467	283	136	176	374	383	453	307	50	239	468	303	286	152	146	308	414	304	435	684
	Precinct 5...	909	415	487	7	541	566	318	173	220	515	453	454	463	76	326	440	406	343	220	182	312	442	444	487	800
	Totals.....	3950	1732	2148	70	2370	2465	1482	663	920	1978	2004	2045	1926	366	1284	2247	1675	1531	955	866	1455	1909	1819	2166	3424
Grand Totals.....		33437	11743	21255	439	18859	21724	10208	8303	7780	20539	13903	14551	10535	8700	16637	15446	12888	14030	12490	12303	14819	13747	14921	13612	24970

CANDIDATES FOR WARD COUNCILLORS

Names of Candidates	Thomas F. Gibson 24 Walden St.	Horace A. Skilton 40 Huron Ave.	Blanks	John J. Foley 20 Rindge Ave.	Joseph F. O'Connell 31 Norris St.	Blanks
Ward 10 Precinct 1.	324	268	28			
Precinct 2.	216	328	39			
Precinct 3.	298	286	25			
Precinct 4.	264	370	20			
Precinct 5.	383	394	25			
Totals	1,485	1,646	137			
Ward 11 Precinct 1.				304	321	40
Precinct 2.				266	432	15
Precinct 3.				455	416	34
Precinct 4.				403	337	18
Precinct 5.				548	324	37
Totals				1,976	1,830	144

*Indicates total as corrected by recount.

CITY ELECTION, NOVEMBER 3, 1931 (*Continued*)

		PENSIONS			GRANTING OF LICENSES		
		Yes	No	Blanks	Yes	No	Blanks
Ward 1	Precinct 1...	378	69	271	311	92	315
	Precinct 2...	369	66	303	308	84	346
	Precinct 3...	332	98	264	258	101	335
	Precinct 4...	329	74	249	291	74	287
	Precinct 5...	335	85	213	280	76	268
Totals.....		1,743	392	1,300	1,457	427	1,551
Ward 2	Precinct 1...	94	17	103	80	13	121
	Precinct 2...	451	82	281	382	95	337
	Precinct 3...	286	65	190	245	73	223
	Precinct 4...	327	71	243	295	90	256
	Precinct 5...	221	75	139	203	65	167
Totals.....		1,379	310	956	1,205	336	1,104
Ward 3	Precinct 1...	349	78	149	310	87	199
	Precinct 2...	384	72	218	322	82	270
	Precinct 3...	349	60	202	315	81	215
	Precinct 4...	393	85	193	365	78	228
	Precinct 5...	362	76	142	315	71	194
Totals.....		1,837	371	904	1,627	399	1,086
Ward 4	Precinct 1...	202	27	91	173	38	109
	Precinct 2...	293	67	155	272	63	180
	Precinct 3...	369	113	169	351	90	210
	Precinct 4...	340	102	160	341	69	192
	Precinct 5...	358	106	174	357	92	189
Totals.....		1,562	415	749	1,494	352	880
Ward 5	Precinct 1...	373	72	193	351	76	211
	Precinct 2...	417	130	206	391	115	247
	Precinct 3...	457	104	303	424	89	351
	Precinct 4...	388	114	248	383	90	277
Totals.....		1,635	420	950	1,549	370	1,086
Ward 6	Precinct 1...	272	89	179	247	73	220
	Precinct 2...	243	75	148	214	91	161
	Precinct 3...	351	86	202	289	103	247
	Precinct 4...	330	75	207	274	78	260
Totals.....		1,196	325	736	1,024	345	888
Ward 7	Precinct 1...	361	115	168	384	70	190
	Precinct 2...	315	101	162	306	79	193
	Precinct 3...	243	83	167	265	56	172
	Precinct 4...	451	147	205	402	131	270
	Precinct 5...	132	39	89	143	28	89
Totals.....		1,502	485	791	1,500	364	914

CITY ELECTION, NOVEMBER 3, 1931 (*Continued*)

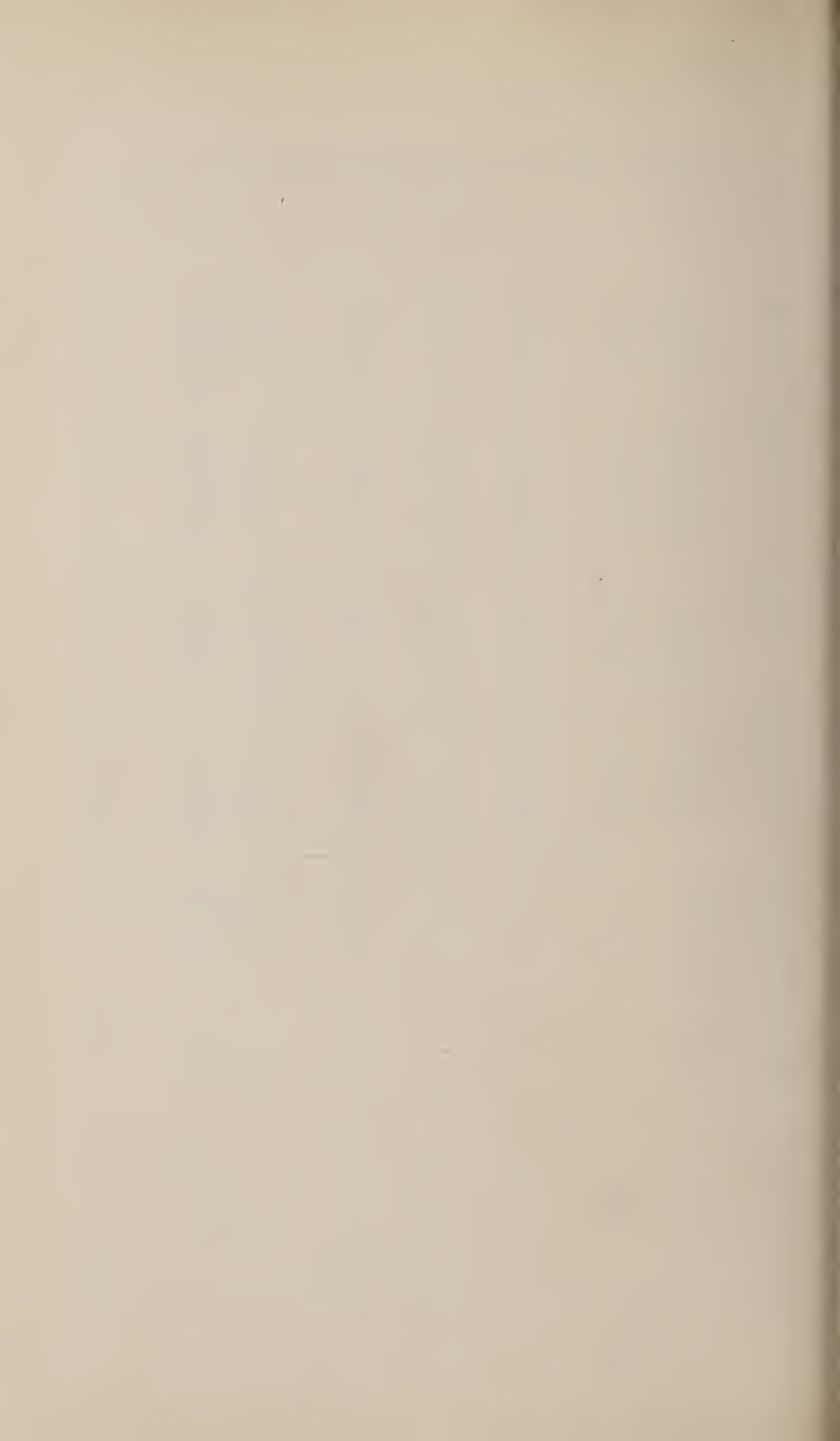
		PENSIONS			GRANTING OF LICENSES		
		Yes	No	Blanks	Yes	No	Blanks
Ward 8	Precinct 1...	304	114	170	344	71	173
	Precinct 2...	263	83	159	273	61	171
	Precinct 3...	265	80	203	275	55	218
	Precinct 4...	254	78	161	272	61	160
Totals.....		1,086	355	693	1,164	248	722
Ward 9	Precinct 1...	471	144	267	469	101	312
	Precinct 2...	482	105	245	422	108	302
	Precinct 3...	312	73	153	312	39	187
	Precinct 4...	352	85	184	342	67	212
	Precinct 5...	357	82	255	310	86	298
	Precinct 6...	336	101	123	299	100	161
Totals.....		2,310	590	1,227	2,154	501	1,472
Ward 10	Precinct 1...	332	109	179	325	76	219
	Precinct 2...	283	121	179	303	79	201
	Precinct 3...	308	97	204	310	81	218
	Precinct 4...	342	99	213	298	92	264
	Precinct 5...	474	107	221	416	97	289
Totals.....		1,739	533	996	1,652	425	1,191
Ward 11	Precinct 1...	367	89	209	315	111	239
	Precinct 2...	395	103	215	359	88	266
	Precinct 3...	519	124	262	451	147	307
	Precinct 4...	409	95	254	339	123	296
	Precinct 5...	501	128	280	451	119	339
Totals.....		2,191	539	1,220	1,915	588	1,447
Grand Totals.....		18,180	4,735	10,512	16,741	4,355	12,341

POLICE LISTING AND REGISTERED VOTERS

		POLICE LISTING April 1, 1931			REGISTERED VOTERS 1931		
		Men	Women	Total	Men	Women	Total
Ward 1	Precinct 1...	991	853	1,844	498	297	795
	Precinct 2...	978	830	1,808	511	313	824
	Precinct 3...	805	733	1,538	440	307	747
	Precinct 4...	1,068	896	1,964	477	256	733
	Precinct 5...	769	695	1,464	428	266	694
Totals.....		4,611	4,007	8,618	2,354	1,439	3,793
Ward 2	Precinct 1...	329	278	607	159	93	252
	Precinct 2...	834	823	1,657	523	429	952
	Precinct 3...	662	730	1,392	374	296	670
	Precinct 4...	1,174	1,080	2,254	525	278	803
	Precinct 5...	755	724	1,479	371	288	659
Totals.....		3,754	3,635	7,389	1,952	1,384	3,336
Ward 3	Precinct 1...	699	704	1,403	396	260	656
	Precinct 2...	572	592	1,164	429	353	782
	Precinct 3...	511	542	1,053	369	345	714
	Precinct 4...	457	576	1,033	368	397	765
	Precinct 5...	397	493	890	331	359	690
Totals.....		2,636	2,907	5,543	1,893	1,714	3,607
Ward 4	Precinct 1...	491	384	875	246	156	402
	Precinct 2...	443	658	1,101	268	368	636
	Precinct 3...	928	848	1,776	429	407	836
	Precinct 4...	697	914	1,611	366	479	845
	Precinct 5...	531	789	1,320	360	489	849
Totals.....		3,090	3,593	6,683	1,669	1,899	3,568
Ward 5	Precinct 1...	752	795	1,547	419	350	769
	Precinct 2...	638	759	1,397	428	466	894
	Precinct 3...	785	825	1,610	527	493	1,020
	Precinct 4...	749	720	1,469	487	396	883
Totals.....		2,924	3,099	6,023	1,861	1,705	3,566
Ward 6	Precinct 1...	754	793	1,547	382	308	690
	Precinct 2...	553	577	1,130	318	237	555
	Precinct 3...	717	763	1,480	432	335	767
	Precinct 4...	536	608	1,144	369	337	706
Totals.....		2,560	2,741	5,301	1,501	1,217	2,718
Ward 7	Precinct 1...	546	810	1,356	348	519	867
	Precinct 2...	488	586	1,074	342	368	710
	Precinct 3...	437	777	1,214	270	414	684
	Precinct 4...	681	797	1,478	456	493	949
	Precinct 5...	274	433	707	152	204	356
Totals.....		2,426	3,403	5,829	1,568	1,998	3,566

POLICE LISTING AND REGISTERED VOTERS (*Continued*)

		POLICE LISTING April 1, 1931			REGISTERED VOTERS 1931		
		Men	Women	Total	Men	Women	Total
Ward 8	Precinct 1...	567	934	1,501	328	534	862
	Precinct 2...	470	830	1,300	277	450	727
	Precinct 3...	422	707	1,129	291	423	714
	Precinct 4...	495	715	1,210	307	380	687
Totals.....		1,954	3,186	5,140	1,203	1,787	2,990
Ward 9	Precinct 1...	610	801	1,411	489	559	1,048
	Precinct 2...	598	728	1,326	470	512	982
	Precinct 3...	448	829	1,277	308	392	700
	Precinct 4...	401	571	972	326	411	737
	Precinct 5...	642	731	1,373	429	407	836
	Precinct 6...	388	530	918	308	360	668
Totals.....		3,087	4,190	7,277	2,330	2,641	4,971
Ward 10	Precinct 1...	558	684	1,242	361	404	765
	Precinct 2...	529	895	1,424	325	493	818
	Precinct 3...	569	672	1,241	379	375	754
	Precinct 4...	564	579	1,143	413	361	774
	Precinct 5...	706	756	1,462	525	454	979
Totals.....		2,926	3,586	6,512	2,003	2,087	4,090
Ward 11	Precinct 1...	472	569	1,041	525	392	917
	Precinct 2...	542	605	1,147	370	407	777
	Precinct 3...	725	743	1,468	404	470	874
	Precinct 4...	680	684	1,364	536	383	919
	Precinct 5...	800	844	1,644	466	489	955
Totals.....		3,219	3,445	6,664	2,301	2,141	4,442
Grand Totals.....		33,187	37,792	70,979	20,635	20,012	40,647



CITY OF CAMBRIDGE

MASSACHUSETTS

REPORT

OF THE

WATER BOARD

For the Year Ending December 31, 1931



PRINTED FOR THE DEPARTMENT
UNDER THE DIRECTION OF THE CITY CLERK

CAMBRIDGE WATER BOARD

December 31, 1931

Members of the Board

JAMES J. SCULLY.....	Term expired 1930
HENRY L. SKELLEY.....	Term expires 1931
HOWARD M. TURNER.....	Term expires 1932
DR. GEORGE F. McINNES.....	Term expires 1934

General Superintendent of the Works

TIMOTHY W. GOOD

CAMBRIDGE WATER BOARD

Date of election and length of service of members, 1865-1931

CHESTER W. KINGSLEY.....	1865—1894	
JOHN SARGENT.....	1865—1871	
A. K. P. WELCH.....	1865—1871	
ROBERT DOUGLASS.....	1865—1871	
SAMUEL SLOCOMB.....	1865—1876	
Z. L. RAYMOND.....	1871	
HENRY L. EUSTIS.....	1871—1885	
J. WARREN MERRILL.....	1871—1881	
GEORGE P. CARTER.....	1871—1883	
JOHN H. LEIGHTON.....	1876—1879	
KNOWLTON S. CHAFFEE.....	1879—1889	
JAMES M. W. HALL.....	1881—1899	
LEANDER M. HANNUM.....	1883—1884	{
	1885—1893	
JOHN F. O'BRIEN.....	1884—1895	
GEORGE F. HOWARD.....	1889—1910	
E. BURT PHILLIPS.....	1893—1896	
FRANK A. ALLEN.....	1895—1899	
STILLMAN F. KELLY.....	1894—1903	
WELLINGTON FILLMORE.....	1896—1903	
EDMUND H. STEVENS.....	1899—1907	
WILLIAM B. DURANT.....	1899—1907	
ANDREW J. RADY.....	1903—1914	
JOHN F. O'BRIEN.....	1903—1923	
ALVIN F. SORTWELL.....	1907—1910	
JAMES J. SCULLY.....	1910—1928	
AUGUSTUS W. DUDLEY.....	1907—1909	
JOSEPH E. DOHERTY.....	1909—1929	
BERNARD E. McDERMOTT.....	1910—1930	
JOHN P. CONROY.....	1914—1925	
MARTIN A. FEELEY.....	1925—1931	
THOMAS E. KENNEDY.....	1926—1930	
HENRY L. SKELLEY.....	1928	(Now in office)
DR. GEORGE F. McINNES.....	1929	(Now in office)
HOWARD M. TURNER.....	1930	(Now in office)
JAMES J. SCULLY.....	1930	(Now in office)

Presidents of the Board

J. WARREN MERRILL.....	1865—1867
EZRA PARMENTER.....	1867—1867
JOHN SARGENT.....	1867—1871
J. WARREN MERRILL.....	1871—1873
CHESTER W. KINGSLEY.....	1873—1876
GEORGE P. CARTER.....	1876—1883
CHESTER W. KINGSLEY.....	1883—1894
JAMES M. W. HALL.....	1894—1899
WILLIAM B. DURANT.....	1899—1907
ALVIN F. SORTWELL.....	1907—1910
ANDREW J. RADY.....	1910—1914
JAMES J. SCULLY.....	1914—1928
BERNARD E. McDERMOTT.....	1928—1930
MARTIN A. FEELEY.....	1930—1931

REPORT OF THE CAMBRIDGE WATER BOARD

December 31, 1931.

To the Honorable City Council:

The sixty-seventh report of the Cambridge Water Board, covering the nine months ending December 31, 1931, is hereby submitted for your consideration.

The report of the General Superintendent gives in detail the operations and financial condition of the Water Works. Reference is also made to the report of the Commissioners of the Sinking Fund of the City.

FINANCIAL STATEMENT IN BRIEF

Total cost of works to March 31, 1931	\$8,109,314 78
Extensions for nine months ending December 31, 1931.....	23,716 00
New 12-inch mains	30,000 00
New 24-inch and 30-inch mains.....	253,850 00
New meters	29,933 06
New Stony Brook Main (36-inch)	75,331 23
New filter additions and equipment	8,202 54
New pump, Pumping Station	120 00
Balance due on Worthington Pump	3,025 00
Study, plans, etc. (additional water supply)	3,041 81
Total cost of work to December 31, 1931	\$8,536,534 42
Total amount of funded bonds outstanding December 31, 1931	\$397,500 00
Value of Sinking Fund	\$432,456 57
Serial Water Debt	\$984,500 00
Net Water Debt, December 31, 1931	\$949,543 43

No contribution has been made to the Sinking Fund since December 1, 1917.
All water debt since 1913 must be made in serial form.

Funded Water Debt

Date of Issue	Interest	From	Due	Amount
May 1, 1906	4	30	May 1, 1936	\$280,000 00
June 1, 1907	4	30	June 1, 1937	49,000 00
July 1, 1907	4	30	July 1, 1937	25,000 00
Aug. 1, 1908	4	30	Aug. 1, 1938	17,000 00
Mar. 1, 1911	3½	30	Mar. 1, 1941	16,500 00
Dec. 1, 1911	3½	30	Dec. 1, 1941	10,000 00
				\$397,500 00

Serial Loans of Water Department

Due year ending March 31, 1932.....	\$1,000 00
Due year ending March 31, 1933.....	32,000 00
Due year ending March 31, 1934.....	31,000 00
Due year ending March 31, 1935.....	28,500 00
Due year ending March 31, 1936.....	28,500 00
Due year ending March 31, 1937.....	27,500 00
Due year ending March 31, 1938.....	27,500 00
Due year ending March 31, 1939.....	25,500 00
Due year ending March 31, 1940.....	25,500 00
Due year ending March 31, 1941.....	25,500 00
Due year ending March 31, 1942.....	25,500 00
Due year ending March 31, 1943.....	25,500 00
Due year ending March 31, 1944.....	12,500 00
Due year ending March 31, 1945.....	12,500 00
Due year ending March 31, 1946.....	11,000 00
Due year ending March 31, 1947.....	11,000 00
Due year ending March 31, 1948.....	11,000 00
Due year ending March 31, 1949.....	11,000 00
Due year ending March 31, 1950.....	11,000 00
Due year ending March 31, 1951.....	11,000 00
	\$394,500 00

During the year serial bonds were paid to the amount of \$31,000.

The surplus receipts year ending March 31, 1918.....	\$33,543 71
The surplus receipts year ending March 31, 1919.....	105,994 89
The surplus receipts year ending March 31, 1920.....	71,060 28
The surplus receipts year ending March 31, 1921.....	80,242 80
The surplus receipts year ending March 31, 1922.....	25,182 90
The surplus receipts year ending March 31, 1923.....	113,295 39
The surplus receipts year ending March 31, 1924.....	12,528 94
The surplus receipts year ending March 31, 1925.....	27,414 64
The surplus receipts year ending March 31, 1926.....	50,465 05
The surplus receipts year ending March 31, 1927.....	59,115 08
The surplus receipts year ending March 31, 1928.....	39,606 50
The surplus receipts year ending March 31, 1929.....	62,673 42
The surplus receipts year ending March 31, 1930.....	96,501 04
The surplus receipts year ending March 31, 1931.....	104,998 36
The surplus receipts for nine months ending December 31, 1931.....	31,756 88

Statements of yearly revenue received from water rates since the purchase of the works by the City:

From April 28, 1865, to December 1, 1865.....	\$32,367 19
From December 1, 1865, to December 1, 1866.....	40,073 27
From December 1, 1866, to December 1, 1867.....	53,733 62
From December 1, 1867, to December 1, 1868.....	63,747 42
From December 1, 1868, to December 1, 1869.....	76,149 30
From December 1, 1869, to December 1, 1870.....	92,605 95
From December 1, 1870, to December 1, 1871.....	111,782 65
From December 1, 1871, to December 1, 1872.....	127,201 30
From December 1, 1872, to December 1, 1873.....	146,117 32
From December 1, 1873, to December 1, 1874.....	153,634 27
From December 1, 1874, to December 1, 1875.....	138,880 37
From December 1, 1875, to December 1, 1876.....	179,166 76
From December 1, 1876, to December 1, 1877.....	154,843 59
From December 1, 1877, to December 1, 1878.....	157,443 91

From December 1, 1878, to December 1, 1879.....	164,681	90
From December 1, 1879, to December 1, 1880.....	173,325	49
From December 1, 1880, to December 1, 1881.....	170,062	73
From December 1, 1881, to December 1, 1882.....	177,430	80
From December 1, 1882, to December 1, 1883.....	179,361	89
From December 1, 1883, to December 1, 1884.....	161,526	27
From December 1, 1884, to December 1, 1885.....	185,544	36
From December 1, 1885, to December 1, 1886.....	199,404	43
From December 1, 1886, to December 1, 1887.....	204,748	64
From December 1, 1887, to December 1, 1888.....	211,156	27
From December 1, 1888, to December 1, 1889.....	221,124	70
From December 1, 1889, to December 1, 1890.....	231,116	32
From December 1, 1890, to December 1, 1891.....	227,054	53
From December 1, 1891, to December 1, 1892.....	237,527	08
From December 1, 1892, to December 1, 1893.....	212,219	78
From December 1, 1893, to December 1, 1894.....	250,032	71
From December 1, 1894, to December 1, 1895.....	268,813	62
From December 1, 1895, to December 1, 1896.....	281,030	00
From December 1, 1896, to December 1, 1897.....	291,457	62
From December 1, 1897, to December 1, 1898.....	267,129	78
From December 1, 1898, to December 1, 1899.....	302,569	00
From December 1, 1899, to December 1, 1900.....	319,479	37
From December 1, 1900, to December 1, 1901.....	320,468	01
From December 1, 1901, to December 1, 1902.....	323,000	53
From December 1, 1902, to December 1, 1903.....	333,777	34
From December 1, 1903, to December 1, 1904.....	339,109	27
From December 1, 1904, to December 1, 1905.....	343,916	00
From December 1, 1905, to December 1, 1906.....	355,768	47
From December 1, 1906, to December 1, 1907.....	373,151	35
From December 1, 1907, to March 31, 1909 (16 months).....	410,533	41
From April 1, 1909, to March 31, 1910.....	351,264	86
From April 1, 1910, to March 31, 1911.....	375,722	42
*From April 1, 1911, to March 31, 1912.....	353,891	02
From April 1, 1912, to March 31, 1913.....	385,475	71
From April 1, 1913, to March 31, 1914.....	383,342	41
From April 1, 1914, to March 31, 1915.....	396,827	26
From April 1, 1915, to March 31, 1916.....	394,908	36
From April 1, 1916, to March 31, 1917.....	401,607	91
From April 1, 1917, to March 31, 1918.....	358,335	70
From April 1, 1918, to March 31, 1919.....	423,906	10
From April 1, 1919, to March 31, 1920.....	403,250	84
From April 1, 1920, to March 31, 1921.....	453,775	94
From April 1, 1921, to March 31, 1922.....	441,109	10
From April 1, 1922, to March 31, 1923.....	486,098	14
From April 1, 1923, to March 31, 1924.....	500,193	02
From April 1, 1924, to March 31, 1925.....	490,487	73
From April 1, 1925, to March 31, 1926.....	512,219	95
From April 1, 1926, to March 31, 1927.....	525,034	28
From April 1, 1927, to March 31, 1928.....	517,487	82
From April 1, 1928, to March 31, 1929.....	535,736	67
From April 1, 1929, to March 31, 1930.....	564,378	31
From April 1, 1930, to March 31, 1931.....	555,681	71
From April 1, 1931, to December 31, 1931 (9 months).....	391,537	21

*Reduction in water rates.

CONSUMPTION OF WATER

	Gallons
The total consumption of water for nine months ending December 31, 1930	3,625,781,830
Nine months ending December 31, 1931	3,413,852,500
Showing a decrease of	211,929,330
The daily average pumpage during nine months in 1930	13,184,661
During nine months in 1931	12,414,009
Showing a decrease of	770,652
The daily average pumpage per capita is 99 gallons.	

METERS

On March 31, 1931, about 54 per cent of our supplies were metered. Since then, acting under the advice of the firm of Fuller & Everett, consultants, we have installed about fifteen hundred meters. This work was divided among our local plumbers.

The Water Board has requested in its budget for 1932, the sum of \$30,000 for the continuation of this work, which is considered necessary for the conservation of our supply.

On December 31, 1931, we find $63\frac{9}{10}$ per cent of our services metered; they are as follows:

Domestic and industrial, etc.	10,700
Public buildings and City services*	82
Fire supplies	66
	10,848

It has been voted that from July 25, 1931, all new buildings shall be metered.

RESERVOIRS

The high and low elevations of the water in the various reservoirs were as follows: In Fresh Pond Reservoir: July 17, 16.09–December 31, 12.26. In Stony Brook Reservoir: June 12, 83.80–December 4, 76.09. In Hobbs Brook Reservoirs: June 19, 183.54–December 29, 176.40.

The recommendations of Fuller & Everett, reviewed by our City Engineer, Mr. L. M. Hastings, and adopted by the Water Board, are being carried out as rapidly as time and weather permit.

* No charge is made to the City for water for any purpose.

The 30-inch main pipe has been laid from the Cambridge Common, where a connection was made to the 40-inch steel main pipe, extending through Broadway to Kendall Square, thence through Main Street with a 24-inch main pipe to First Street, where it was connected to the 12-inch main pipe and to the 16-inch main pipe at the siphon at Broad Canal. In Trowbridge Street, a 24-inch main pipe has been laid from Broadway, connected to the new 30-inch main pipe, to Putnam Square.

A 24-inch main pipe has been laid from the 30-inch main pipe in Broadway through Portland Street to Albany Street, thence through Cross Street to and through Purrington Street, to and through Waverly Street to Erie Street where it has been connected to the 16-inch, supplying that district. All of the 30-inch and 24-inch pipes were laid by contract.

The department laid 12-inch main pipes in Sixth Street, Binney Street and Plymouth Street, connecting with the new 30-inch in Broadway. These extensions have improved the conditions existing in the eastern part of the City and the pressures have been reported as having increased from 15 to 20 pounds.

It was necessary to take a right of way through Purrington Street and Cross Street. These streets are privately owned and are not accepted by the City.

The department also made all cross connections to various mains, and will make all house connections from the old 20-inch to the new 30-inch during the next two months. All work in connection with the restoring of streets has been done by the Cambridge Street Department, at the expense of the Water Department.

The new 36-inch main from Stony Brook Reservoir to Clark Street, Waltham, is to be connected to the 63-inch conduit. It is being laid by contract and the work is progressing at this date. The pipe is of cast iron and steel.

It was decided to tunnel under Mt. Feake Cemetery, and the Waltham Cemetery Commissioners entered into an agreement to allow this location and to approve the methods to be used.

The City of Waltham, on petition of our City Engineer, gave the department permission to lay the new 36-inch main in River Street to cross through the granite arch bridge at Beaver Brook, and to lay pipe in the public streets of Waltham.

The right of way already owned by the City of Cambridge

was used for the new pipe. Under the Acts of the Legislature, approved May 21, 1884, additional takings were made for rights of way for locations for this pipe.

1. In Elm Street, 156 square feet owned by Boston Manufacturing Company.

2. In Elm Street, 3,582 square feet owned by Boston & Maine Railroad.

3. A parcel of land adjoining the now existing Cambridge right of way, 90 square feet owned by Boston Manufacturing Company.

4. In Prospect Street, 1,845 square feet owned by Waltham Ice Company (formerly Peterson).

The rights of the owners of the land taken being reserved to them so far as not inconsistent with the right of the City of Cambridge to make use of said land for the purpose taken.

A permit from the Metropolitan District Commission was received wherein the department was granted leave "to lay and maintain 36-inch water main on land of the Commonwealth adjacent to River Street, west from Newton Street."

Two encroachments were found on the City's right of way: A gateway and fences owned by Mrs. Annie B. Matthews Bryant; and parts of buildings owned by Joseph Peterson, near Prospect Street.

The long considered question of having a golf course on the upper side of Fresh Pond Reservation was settled this year when the necessity for giving employment to men who were out of work arose. By an act of the Legislature, permission was granted to allow a golf course on the shores of Fresh Pond. The attending cost was met from funds raised by private subscription and was not an expense for the Water Department. The earth which was removed during the construction of our Purification Plant in 1923 is being used by the "Committee on Employment" for filling in the low places at the golf links.

Contracts were made for the construction of the addition to our purification plant, from plans of Fuller & Everett. When completed, six additional filter beds will be installed with a capacity of 1,500,000 gallons for each bed. Fuller & Everett have also furnished plans for the construction of two low lift pumping units with housing, and also for the laying of a 36-inch steel pipe

for intake from Fresh Pond to the present purification plant so that additional storage from the pond may be made available. From estimates of the engineer, it will be possible to take from 1,500,000 to 2,000,000 gallons extra each day.

Turbine Equipment Company are to furnish two $7\frac{1}{2}$ million gallons motor driven centrifugal pumps under this contract.

In June, the land at the corner of Lakeview Avenue and Vassal Lane was considered no longer necessary for the preservation of the purity of the water supply, and an offer of \$4,500 has been accepted by the City Council for said land.

The Water Board hereby places on record its appreciation of the coöperation of City Engineer, Mr. Lewis M. Hastings, who has devoted so much energy to the development of the plans and recommendations to provide the City with an adequate supply of water. In 1887 when the Water Department built Stony Brook Reservoir, and the pipe line from it to Fresh Pond was laid, Mr. Hastings was employed in these constructions under our then City Engineer, Mr. Barbour. In 1897 Mr. Hastings, at that time City Engineer, directed the building of Hobbs Brook Storage Reservoirs and the Payson Park Distributing Reservoir. In 1905 and 1906 a section of the pipe line at Fresh Pond end was rebuilt of concrete, 63 inches in diameter, and Mr. Hastings supervised this change. And again in 1908 a part of the pipe line was abandoned and a new location selected under Mr. Hastings' advice, to correct the varying elevations of the profile of the old 30-inch pipe.

The repairs on Payson Park Reservoir, when it was lined with concrete to stop the leakage, were made under Mr. Hastings' recommendations. Plans for this year's extensive construction, with the exception of the work at the water purification works and the Fresh Pond intake, were made by Mr. Hastings, and his approval was sufficient guarantee to the Water Board of the value and adequacy of the many recommendations. Mr. Hastings has had much responsibility in the development of the City of Cambridge Water Supply, and his knowledge of the water shed and the City's requirements have been of inestimable value to the Water Board.

The Water Board also wishes to acknowledge the courtesy and coöperation of the Mayor and the City Council in helping to further the plans for development by passing the appropriations whereby these changes can be financed.

During the year the department has lost two of its valued friends. Ex-Mayor Edward W. Quinn passed away in October after a long illness. He came to the Water Department in 1913 as acting Superintendent, and remained in that position until June 1914, when he was made Superintendent. In January, 1918, he became Mayor of Cambridge and resigned from the Water Department. The Board valued his services to the department as Superintendent, and his coöperation during the twelve years when he was Mayor, and has transcribed on its records its appreciation of his services and its sympathy to his family. In November we again lost a valuable friend of the department, Mr. Martin A. Feeley, who was appointed by Mayor Quinn in 1925. He was elected President of the Board in 1930, and passed away while in that office.

Quoting from the Water Board records: "The Water Board having learned of the death of their associate, Mr. Martin A. Feeley, and appreciating the services rendered by him while a member of the Board, voted to transcribe upon their records their sincere regrets at the untimely passing away of the Chairman of the Water Board, Mr. Martin A. Feeley, and to extend to the family of the deceased, their heartfelt sympathy in their hour of trouble."

Respectfully submitted,

GEORGE F. McINNES,
JAMES J. SCULLY,
HENRY L. SKELLEY,
HOWARD M. TURNER.

REPORT OF THE GENERAL SUPERINTENDENT OF THE CAMBRIDGE WATER WORKS

Cambridge, Mass., December 31, 1931.

To the Honorable Water Board:

The report of the General Superintendent for the nine months ending December 31, 1931, is hereby respectfully submitted. The financial reports are compiled from figures submitted by the Chief Clerk.

Amount of bills unpaid March 31, 1931:

Water rates (fractional)	\$467 75	
Water rates (schedule)	21,067 90	
Water rates (meters)	34,374 47	
		\$55,910 12
Supplies	\$729 03	
Supplies renewed	3,265 00	
Maintenance	2,805 71	
Maintenance, cleaning supplies	265 00	
Maintenance, setting meters	357 37	
Off and on	26 00	
Seals	8 25	
		7,456 36
		\$63,366 48

Amount of bills placed in hands of the City Treasurer for collection from April 1, 1931 to December 31, 1931.

Annual rates (schedule)	\$91,425 00	
Fractional rates (schedule)	985 20	
Meter rates	306,263 27	
New supplies	2,258 45	
Off and on, seals and rents	670 40	
Maintenance and building accounts	10,950 28	
		\$412,552 60

There have been collected:

Water rates (schedule)	\$78,635 99	
Water rates (meters)	298,912 08	
Miscellaneous, supplies, repairs, etc.	9,593 64	
Off and on	55 00	
Seals	8 00	
Rents	602 90	
Maintenance, general	4,338 46	
	\$392,146 07	
Less refunds, etc.	608 86	
		\$391,537 21

There have been abated:

Schedule rates.....	\$1,884 81	
Meter rates.....	150 90	
Miscellaneous.....	171 32	
		\$2,207 03

There remains uncollected:

Water rates (meters).....	\$34,374 47	
Water rates (schedule).....	21,067 90	
Water rates (fractional).....	467 75	
		\$55,910 12
Supplies.....	\$729 03	
Supplies renewed.....	3,265 00	
Maintenance.....	2,805 71	
Maintenance, cleaning.....	265 00	
Maintenance, setting meters.....	357 37	
Off and on.....	26 00	
Seals.....	8 25	
		7,456 36
		\$63,366 48

EXPENDITURES

Maintenance		
General Account.....	\$217,595 86	
Pumping Account.....	40,195 09	
Reservoirs Account.....	33,687 85	
Filtration Account.....	34,231 62	
Serial Bond paid.....	31,000 00	
		\$356,710 42
Refunds from April 1, 1931 to December 31, 1931.....		\$608 86
Maintenance		
New Special Items		
12-inch mains.....	\$30,000 00	
24-inch and 30-inch mains.....	253,850 00	
Meters.....	29,933 06	
Stony Brook main (36-inch).....	75,331 23	
Filter beds, etc.....	8,202 54	
Pump, Fresh Pond.....	120 00	
		\$397,436 83
Pumping		
Special Items		
F. 14 Final payment on Worthington Pump.....		\$3,025 00
Study, plans, etc. (Additional Water Supply).....		\$3,041 81
Receipts from all sources April 1, 1931 to December 31, 1931 (nine months).....		\$391,537 21

The surplus receipts for nine months are retained in the City Treasury to the credit of the Water Department as required by law..... \$31,756 88

Comparison of Pumpage

	Pumpage		Decrease
	For Nine Months Ending December 31, 1930	For Nine Months Ending December 31, 1931	
1931			
April	388,125,940	370,794,600	17,331,340
May	416,965,300	385,979,300	30,986,000
June	416,644,400	382,487,700	34,156,700
July	402,713,740	386,647,300	16,066,440
August	402,709,850	393,175,400	9,534,450
September	398,907,800	366,907,900	31,999,900
October	412,886,000	384,125,500	28,760,500
November	381,502,400	364,650,500	16,851,900
December	405,326,400	379,084,300	26,242,100
	3,625,781,830	3,413,852,500	211,929,330

Comparative Total Pumpage During the Past Ten Years
Fiscal Year Ends March 31

Year	Annual Pumpage	Daily Increase or Decrease	Average Daily Pumpage	Daily Increase or Decrease	Average Daily Pumpage Per Cap.	Estimated Population
	Gallons	Gallons	Gallons	Gallons	Gallons	
1922	4,042,409,300	1,507,700 decrease	11,075,094	4,130 decrease	96.38	114,900
1923	4,149,105,600	106,696,300 increase	11,367,412	292,318 increase	98.00	114,900
1924	4,369,863,900	220,758,300 increase	11,939,519	572,107 increase	103.00	114,900
1925	4,269,098,000	100,765,900 decrease	11,696,159	243,360 decrease	97.00	120,053
1926	4,354,956,100	85,858,100 increase	11,931,386	235,227 increase	99.00	120,053
1927	4,501,195,400	146,239,300 increase	12,332,042	400,656 increase	103.00	119,667
1928	4,379,248,600	121,946,800 decrease	11,965,160	366,882 decrease	97.00	123,000
1929	4,493,356,100	114,107,500 increase	12,310,564	345,404 increase	98.00	125,000
1930	4,729,269,480	235,913,380 increase	12,956,902	646,338 increase	103.00	125,000
1931	4,787,859,430	58,589,950 increase	13,117,423	160,521 increase	105.00	125,000

Comparison for nine months in 1930 and in 1931

1930	3,625,781,830		13,184,661			
1931	3,413,852,500	211,929,330 decrease	12,414,009	770,652 decrease	99.00	125,000

Fiscal year now ends December 31

RAINFALL

From April 1, 1931 to December 31, 1931

	Fresh Pond Reservoir	Stony Brook Reservoir	Hobbs Brook Reservoir
April	2.14	3.41	2.85
May	4.28	3.67	3.75
June	8.84	9.41	6.90
July	1.31	3.05	1.96
August	4.92	4.91	5.17
September	1.05	1.46	1.77
October	2.31	2.18	2.28
November	1.06	.67	1.10
December	3.67	3.44	3.55
Total for nine months	29.58	32.20	29.33

Total Rainfall for the Past Ten Years

	Fresh Pond Reservoir	Stony Brook Reservoir	Hobbs Brook Reservoir
	Inches	Inches	Inches
1923	48.22	50.74	48.54
1924	28.44	37.09	37.75
1925	29.40	43.27	41.59
1926	39.08	44.27	42.02
1927	35.86	39.63	33.96
1928	38.45	46.98	43.42
1929	38.78	46.28	42.00
1930	32.86	36.50	36.39
1931	36.27	40.82	38.42
1931*	29.58	32.20	29.33

* For nine months only.

FRESH POND PUMPING STATION

1931	RUNNING TIME			PUMPAGE				COAL CONSUMED		Rain-fall	Average Elevation of Pond
	Days	Hours	Daily Average	Leavitt (3) Gallons	Worthing-ton (4) Gallons	Total	Daily Average	Total Pounds	Daily Average Pounds		
April.....	30	452.25	15.07	43,569,000	370,794,600	370,794,600	12,359,820	509,500	16,983	2.14	13.26
May.....	31	161.00	15.23	1,839,200	342,410,300	385,979,300	12,450,945	534,100	17,229	4.28	14.20
June.....	30	2.25	15.54		380,648,500	382,487,700	12,749,590	526,300	17,543	8.84	15.33
July.....	31	472.00	15.22		386,647,300	386,647,300	12,472,493	532,400	17,174	1.31	15.84
August.....	31	480.50	15.50		393,175,400	393,175,400	12,683,077	543,800	17,541	4.92	14.87
September..	30	343.50	15.15	275,924,000	90,983,900	366,907,900	12,230,263	523,200	17,440	1.05	14.76
October....	31	423.50	15.50	338,087,200	46,038,300	384,125,500	12,391,145	554,900	17,900	2.31	14.26
November..	30	444.50	14.82		364,650,500	364,650,500	12,155,016	506,300	16,876	1.06	13.84
December...	31	42.50	14.91	33,969,200	345,115,100	379,084,300	12,228,526	527,100	17,003	3.67	12.69
Total.....	275	4,184.25		693,388,600	2,720,463,900	3,413,852,500		4,757,600		29.58	
Daily Average..			15.21				12,414,009		17,300		14.34

WATER BOARD

FRESH POND

1931		Elevations			Rainfall by the Month	Pumpage
		Highest During Month	Lowest During Month	Average		
April	1		12.72			
April	30	13.69		13.26	2.14	370,794,600
May	1		13.72			
May	31	14.66		14.20	4.28	385,979,300
June	1		14.66			
June	30	15.95		15.33	8.84	382,487,700
July	17	16.09				
July	31		15.20	15.84	1.31	386,647,300
August	1	15.17				
August	26		14.69	14.87	4.92	393,175,400
September	1	14.92				
September	30		14.54	14.76	1.05	366,907,900
October	1	14.52				
October	31		13.98	14.26	2.31	384,125,500
November	1	13.95				
November	17		13.76	13.84	1.06	364,650,500
December	1	13.78				
December	31		12.26	12.69	3.67	379,084,300
Total					29.58	3,413,852,500
Average				14.34		12,414,009

PUMPING STATISTICS

From April 1 to December 31, 1931

1. Builders of pumping machinery: one Leavitt engine of 20,000,000 gallons capacity per 24 hours, built by Groshon High Duty Pumping Engine Company; one Worthington Cross Compound of 20,000,000 gallons capacity per 24 hours; and two Worthington Compound Duplex engines of 5,000,000 gallons capacity per 24 hours.
Total capacity, 50,000,000 gallons per 24 hours.
2. Description of fuel: kind, bituminous. Brand and price of coal "Beacon New River," at \$5.59 per ton.
3. Coal consumed for 9 months, 4,757,600 pounds. Daily average coal consumed, 17,300 pounds. Coal per million gallons pumped, 1,393 pounds. Total pumpage for 9 months with four per cent allowance for slip, on Leavitt engine, 3,413,852,500 gallons.
Daily average, 12,414,009 gallons.
4. Average static head against which the pump works, 164.16.
5. Average dynamic head against which the Worthington pump works, 181.67.
- *6. Duty, 148,600,000.
7. Cost of pumping figured on pumping station expenses, *viz.*: (\$43,220.09).
8. Per million gallons pumped, \$12.66.
9. Per million gallons raised one foot (dynamic), \$.07.

STATISTICS OF CONSUMPTION OF WATER

For the 9 months extending from April 1, 1931 to December 31, 1931.

Total population, census of 1925, 119,667 (corrected).

Estimated population supplied on lines of pipes, 125,000.

Total pumpage for 9 months, 3,413,852,500 gallons.

Average daily pumpage, 12,414,009 gallons.

* The duty recorded is the figure obtained during the test of the new "Worthington Cross Compound." This engine pumped about 80 per cent of the nine months' consumption, and during April, July, August and November, pumped the entire amount consumed.

SUMMARY OF STATISTICS

In form recommended by the New England Water Works Association

CAMBRIDGE WATER WORKS

Cambridge, Middlesex County, Massachusetts

GENERAL STATISTICS

Population by census 1920, 109,456; 1925, 119,667.

Estimated population March 31, 1931, 125,000.

"Cambridge Water Works Corporation" was chartered in 1852 and organized in 1853.

The works were constructed in 1855, Mr. John Blake, consulting engineer, and came into possession of the City by purchase in 1865, when they were called "Cambridge Water Works."

The original source of supply was Fresh Pond in Cambridge and Belmont, which was enlarged by connection via conduit with Wellington Brook and Spy Pond, Arlington. The waters of these additional sources were adjudged unfit for domestic use in 1880 and since that time have not been utilized for a supply in Cambridge.

In 1887 Fresh Pond was augmented by a storage reservoir which had been constructed on Stony Brook, located in Weston and Waltham. The waters from this brook are brought to Cambridge by a conduit, originally a thirty-inch cast-iron pipe, which was laid through Waltham and Watertown to Fresh Pond Reservoir. This extension of the works was made under the direction of Mr. Henry N. Crafts, as consulting engineer, and our City Engineer, Mr. W. S. Barbour.

The population of the City was about 60,000 in 1887.

In 1897, an additional provision was made for storing water by the construction of two large reservoirs artificially formed by constructing two dams across Hobbs Brook, which is a tributary of Stony Brook, and flows in an open conduit through Lexington and Lincoln to Stony Brook Reservoir. Payson Park Distributing Reservoir, also, was completed in 1897. Consulting engineers, Mr. A. Fteley and Messrs. Rice and Evans, and our City Engineer, Mr. L. M. Hastings, directed the construction of these reservoirs.

The population was about 87,500 in 1897.

In 1905 and 1906, two sections of the Stony Brook pipe line were rebuilt; the new conduit was made of concrete, sixty-three inches in diameter. Another part was rebuilt in 1908, when a new 30-inch main of cast iron was laid to replace 1,500 feet of old 30-inch line which has been abandoned. The consulting engineer for the concrete conduit was Mr. Freeman C. Coffin, assisted by our City Engineer, Mr. L. M. Hastings. The new 30-inch main was laid under the supervision of the Water Works Superintendent, Mr. E. C. Brooks.

The conduit is constructed as follows:

From Fresh Pond to beyond Holmes Street	1,024 feet of 63-inch concrete
From Holmes Street to beyond Holworthy Place	470 feet of 42-inch cast iron
From Holworthy Place to River Street (Waltham) . .	25,867 feet of 63-inch concrete
From River Street to Waltham Pumping Station . . .	8,710 feet of 30-inch cast iron
From Waltham Pumping Station to gate house at dam	5,003 feet of 36-inch cast iron
	41,074

There also are 747 feet of 30-inch under the dam at Stony Brook Reservoir.

In 1928, the efficiency of this conduit was increased by cleaning the 36-inch and 30-inch cast-iron main from the Stony Brook dam to River Street. The capacity is now estimated at 16,000,000 gallons daily.

Mode of supply: gravity from Hobbs Brook and Stony Brook storage reservoirs to Fresh Pond Filtration Plant; thence to Pumping Station; thence, by pumping, through the 40-inch steel pumping main to Payson Park Distributing Reservoir; thence, by gravity, to consumers through the 40-inch steel distributing main.

In case of necessity, the water can be pumped direct from the pumping station through the 30-inch and 24-inch cast-iron pumping mains into the 40-inch steel distributing main. The Leavitt engine, built in 1897, of 20,000,000 gallons capacity, is connected with these steel mains. The cross compound Worthington engine, built in 1930, of 20,000,000 gallons capacity, is also connected to the steel mains.

The length of the 40-inch steel pumping main from the pumping station to Payson Park Reservoir is 8,392 feet, and from the Payson Park Reservoir the 40-inch steel distributing main to the Cambridge Common is 14,924 feet; total, 23,316 feet.

In December, 1927, the work on the leak, which had existed for over twenty years in Payson Park Reservoir, was completed.

The Purification Plant was officially in operation June 28, 1923.

METHOD OF PURIFYING CAMBRIDGE WATER

The water formerly flowing into Fresh Pond from Stony Brook is now diverted through a 42-inch pipe and enters the sedimentation basin (which has a capacity of 1,500,000 gallons). Here the chemical treatment takes place. The water then flows to the filter beds and passes through three feet of graduated sand and gravel, where all suspended matter, caused by coagulation after chemical treatment, is removed. The water then passes through an aerator, where all gases are removed, and finally receives chlorine in quantity sufficient to destroy all germs. The water then passes to the clear water basin (which has a capacity of 4,000,000 gallons), thence to the pumping station, whence it is pumped to Payson Park Reservoir for distribution to the consumers, by gravity.

In the event of insufficient flow from Stony Brook, a low lift pump room has been constructed, and provision has been made to pump the water, when necessary, from Fresh Pond direct to the sedimentation basin, through a unit of high speed centrifugal pumps. Of these, one is 10,000,000, two of 6,000,000 each, and one of 4,000,000 gallons capacity, and are sufficient to care for any emergency that may arise.

The plant has a capacity of filtering 15,000,000 gallons per day.

In 1930, an addition supply was laid to the Purification Plant to meet any emergency that might arise, should the 40-inch steel mains be out of commission. An 8-inch main was laid from Poplar Road, thence under the B. & M. tracks and to the Purification Plant which now may be fed under all conditions.

For the nine months ending December 31, 1931, our pumpage was 12,414,009 gallons per day.

Our storage capacity, figured at high elevations in our reservoirs, is at

Hobbs Brook (elevation 183.25)	3,181,000,000 gallons
Stony Brook (elevation 83.00)	402,000,000 gallons
Fresh Pond (elevation 16.85)	700,000,000 gallons
Payson Park (elevation 178.50)	43,000,000 gallons
Total	4,326,000,000 gallons

STATISTICS RELATING TO DISTRIBUTING SYSTEM
From April 1 to December 31, 1931

Our 40-inch pumping main to and distributing main from Payson Park Distributing Reservoir are of steel.

The main pipes are of cast iron in sizes from two inches to forty inches.

The two-inch and smaller sizes are of lead lined pipe.

Extensions during the year, 27,561 feet, and 824 feet of 4-inch renewal.

Total now in use:

2-inch	8,963
3-inch	1,400
4-inch	70,348
6-inch	391,308
8-inch	102,881
10-inch	34,799
12-inch	92,541
16-inch	11,605
20-inch	25,177
24-inch	23,267
30-inch	12,257
40-inch	550
	775,096

Forty-inch steel main, 23,316 feet or 4.41 miles.

Number of leaks found by inspectors while canvassing:

On basins	155
On bath tubs	171
On set tubs	240

<i>Brought forward</i>	566	
On faucets	1,305	
On toilets	682	
Total number found by inspectors		2,553
Reported at office and pipe yard on main pipes	14	
On gates	4	
On hydrants	8	
On supplies	83	
On blow-off	1	110
Total number of leaks		2,663

MAIN PIPE

	Pipe		Gates	
	Feet	Size Inches	Kind	Sizes Inches
Allston Court (1 1/2 inches removed)	131	2		
Bay State Road, from Field Street, west	546	6		
Bay State Road, at Field Street, west			Crane	6
Berkeley Place, extension	80	4		
Berkeley Place			Rens.	4
Birch Street, from Bay State Road, south	419	6		
Birch Street, at Bay State Road, south			Crane	6
Birch Street, at Concord Avenue, east				6
Boylston Street, at Eliot House	1 1/2	6	Fairb.	6
Bristol Street, at Webster Avenue	3	6		6
Fern Street, from Field Street	470	6		
Fern Street, at Field Street				6
Field Street, from Bay State Road, south	250	6		
Field Street, at Bay State Road, north				6
Field Street, at Fern Street, north				6
Field Street, at Chilton Street (gate broken)	3	6	Fairb.	6
Garden Street, extension to Walden Street	114	6		
Garden Street, from Hazel Street to blow-off	404	6		
Garden Street, at Hazel Street			Fairb.	6
Kassul Park, connecting Seagrave Road and Whittemore Avenue	198	6		
Kassul Park, at Whittemore Avenue				6
Kirkland Place from Kirkland Street (4-inch removed)	540	6		
Kirkland Place at Kirkland Street, 10-inch main			Rens.	6
Lancaster Street, from Humboldt towards Massachusetts Avenue (4-inch removed)	284	6		
Lancaster Street, at Humboldt Street, east			Fairb.	6
Porter Circle (1 1/4-inch removed)	103	2		
Seagrave Road, to Whittemore Avenue	116	6		
Seagrave Road, 116 feet from Whittemore Avenue			Fairb.	6
Sedgwick Road, from Kirkland Street	130	2		
Whittemore Avenue to connect Seagrave Road	430	6		
Whittemore Avenue, 215 feet from Kassul Park			Fairb.	6

MAIN PIPE

	30 Inch	24 Inch	12 Inch	6 Inch	4 Inch	2 Inch	Total
Length, in feet, of cast iron pipe, extensions	10,900	8,200	5,063	2,954	80		27,197
Length, in feet, of cast iron pipe, renewals				824			824
Length, in feet, of lead-lined pipe to replace smaller pipes						234	234
Length, in feet of lead-lined pipe extension						130	130
Total length in feet	10,900	8,200	5,063	3,778	80	364	28,385
Number of hydrants							21
Number of gates on main pipes			16	18	1		35
Number of gates on hydrants				18			18
Number of boxes							48

The following list contains the account of pipe laid by the department for which a separate appropriation was made.

	Pipe		Gates
	Feet	Size Inches	Size Inches
Binney Street from Portland Street east to Third Street.....	2,478	12	..
On Portland Street connection.....	..	..	12
At Railroad Crossing, west.....	..	..	12
At Ninth Street railroad track, east.....	..	..	12
At Sixth Street west line.....	..	..	12
At Sixth Street east line.....	..	..	12
At Fifth Street east line.....	..	..	12
At Third Street west of 12-inch line.....	..	..	12
Sixth Street from Hurley Street to Potter Street.....	1,415	12	..
At Hurley Street 6 feet north from new.....	..	..	..
12-inch connection on old 6-inch main.....	..	..	12
At Hurley Street 13 feet south from new.....	..	..	..
12-inch connection.....	..	..	6
On south line of Hurley Street.....	..	..	12
6 feet north from Binney Street main.....	..	..	12
6 feet south from Binney Street main.....	..	..	12
On north line of Potter Street.....	..	..	12
On Potter Street connection.....	4	6	6
Plymouth Street from Portland Street west to Windsor Street ..	1,170	12	..
On west line of Portland Street.....	..	..	12
Opposite Hamlin Street.....	..	..	12
On west line of Webster Avenue.....	..	..	12
At 12-inch main of Windsor Street.....	..	..	12
Webster Avenue, south line of Plymouth Street.....	23	6	6

The work of laying the pipes in the following streets was done by contract.

In Broadway from the 40-inch in Cambridge Common to Third Street.....	10,900	30-inch
In Broadway from Third Street to Main Street.....	300	24-inch
In Main Street to First Street.....	1,050	24-inch
There connecting with the 16-inch siphon at First Street Canal	250	24-inch
In Portland Street from Broadway to Albany Street.....	1,500	24-inch
In Albany Street from Portland Street to Cross Street.....	1,100	24-inch
In Cross Street from Albany Street to Purrington Street.....	300	24-inch
In Purrington Street from Cross Street to Waverly Street.....	200	24-inch
In Waverly Street connecting from Purrington Street to the 12-inch in Erie Street.....	1,900	24-inch
In Trowbridge Street from Broadway to Putnam Square.....	1,600	24-inch

HYDRANTS

	Removal	Installed	Gates
	Kind	Kind	Inch
Bay State Road		Corey	
Birch Street, midway		Corey	
Binney Street, opposite Boston & Albany office		Corey	6
Binney Street, opposite Standard Oil Building		Chapman	6
Binney Street, 158 feet from Sixth Street		Corey	6
Broadway (No. 34)	Chapman	Corey	
Brookline Street at Decatur Street		Corey	6
Cambridge Street at Trowbridge Street	Chapman	Corey	
Cambridge Street near Sixth Street (relocated)	Kennedy	Corey	
Carver Street at Wendell Street	Boston	Corey	6
Charles Street between First and Second Streets	Mathews	Corey	
Concord Avenue near Field Street		Corey	6
Divinity Avenue (third hydrant)	Chapman	Corey	6
Fern Street, midway		Corey	
Franklin Street near corner Sidney Street (private)	Ludlow	Corey	6
Garden Street, 50 feet from Hazel Street		Corey	
Garden Street, opposite No. 270		Corey	
Hurley Street, between First and Second Streets	Mathews	Corey	
Kirkland Place, east side 182 feet from Kirkland Street		Corey	
Kirkland Street, west side 330 feet from Kirkland Street		Corey	
Lancaster Street at Agassiz Street	Chapman	Corey	6
Lowland Avenue	Kennedy	Corey	
Main Street opposite Houghton & Dutton's	Chapman	Corey	6
Plymouth Street at Hamlin Street, south		Corey	6
Portland Street near Harvard Street		Corey	6
Portsmouth Street 24 feet from Hampshire Street		Corey	6
Putnam Square, on hydrant		Corey	6
Raymond Street	Chapman	Corey	6
Rogers and Second Streets		Corey	6
Sixth Street on north line of Bent Street		Corey	6
Whittemore Avenue		Corey	
Willow Street between Cambridge and South Streets	Chapman	Corey	6

TOTAL NUMBER OF HYDRANTS IN USE

Boston	31
Chapman	703
Coffin	35
Corey	246
Flush	1
Holyoke	176
Kennedy	69
Mathews	9
Perkins	59
	<u>1,329</u>

Number of hydrants added during year, 21.
Number of gates added during year on main pipes and hydrants, 53.
Range of pressure on mains, 55 to 60 pounds.

NEW SUPPLIES

Kind of pipe: galvanized iron, cast-iron, tin-lined, lead-lined, cement-lined, and brass.

Extended during the year, 1,939 feet.

Sizes, 3/4-inch to 6-inch.

Number of supplies added during the year:

3/4-inch	14
1-inch	31
1 1/4-inch	1
1 1/2-inch	2
2-inch	6
4-inch	7
6-inch	8
	—
	69

Number in use at date, 16,975.

Average length of services for the past year, 28 feet.

*Average cost per supply includes large supplies, up to 6-inch, \$64.70.

*Average cost per supply (labor), \$36.46.

Number of meters added during year, 1,660.

Total number of meters, 10,848.

Percentage of services (in use) metered 63 9/10.

Fifteen large supplies were laid during the nine months, sizes four inches and six inches; five were for fire protection.

Apthorp House, Plympton Street	4-inch
Boston University, 1593 Massachusetts Avenue	4-inch
Christ Church, Garden Street (fire)	6-inch
Henry J. Dow, Inc., 217 Thorndike Street (fire)	6-inch
Episcopal Theological School, Brattle Street (fire)	6-inch
Harold Realty Trust, 393 Broadway	4-inch
Harvard University, Eliot Hall, Auxiliary supply, Dunster and Mill Streets	4-inch
Harvard University, Randall Hall, Kirkland Street	6-inch
Harvard University, Russell Hall, Plympton Street	4-inch
Harvard University, Russell Hall, Bow Street	4-inch
Harvard University, Randolph Hall, Mt. Auburn Street	6-inch
Massachusetts Institute of Technology, Memorial Drive (fire)	6-inch
Middlesex County, Court House, Third Street	4-inch
C. W. Stone Co., 144 Second Street (fire)	6-inch
Whitehead Metal Products, Inc., 233 Bridge Street	6-inch

* Includes a charge of \$5 per square yard for resurfacing streets. This is made to the property owners who have required new or renewed supplies.

FIRE SUPPLIES

Five "fire" supplies have been laid during the year. The following list contains the number of fire supplies in commission at this date (unmetered excepting where specified).

Adelson Estate, 544 Massachusetts Avenue	6-inch
Albiani Bros., 556 Main Street	6-inch
Allen & Endicott Building Co., 63 Albany Street	6-inch
American Rubber Co., Binney Street	6-inch
American Rubber Co., Potter Street	6-inch
American Circular Loom Co., Clarendon Avenue	6-inch
American Circular Loom Co., Tannery Street (metered)	2-inch
American Optical Co., 150 Broadway	6-inch
Ashton Valve Co., 161 First Street	6-inch
Associated Trust, 888 Massachusetts Avenue	2-inch
Atwood & McManus, 64 Aberdeen Avenue	6-inch
Barber Asphalt Paving Co., First Street	6-inch
Baretta, Mary, 336 Main Street	6-inch
Barta Press, The, Massachusetts Avenue	6-inch
Bell Confectionery Co., J. S., Sixth Street	6-inch
Berkshire Factory Trust, Amherst Street	6-inch
Blacker & Shepard Co., Osborn Street (metered)	1 1/2-inch
Blake & Knowles Steam Pump Works, Binney Street	8-inch
Blake & Knowles Steam Pump Works, Binney Street	6-inch
Blake & Knowles Steam Pump Works, Third Street	4-inch
Blanchard Machine Co., State Street	6-inch
Blanchard Machine Co., State Street	6-inch
Boston Book Binding Co., Inc., 21 Mt. Auburn Street	6-inch
Boston Book Binding Co., Inc., 21 Mt. Auburn Street	4-inch
Boston Book Binding Co., Inc., Arrow Street	4-inch
Boston Cafeteria Co., 22 Dunster Street	6-inch
Boston Confectionery Co., 814 Main Street	6-inch
Boston Confectionery Co., 29 State Street	6-inch
Boston Elevated Railway Co., Bennett Street	4-inch
Boston Elevated Railway Co., Baldwin Street	4-inch
Boston Elevated Railway Co., Massachusetts Avenue	4-inch
Boston Elevated Railway Co., Mt. Auburn Street	2-inch
Boston Elevated Railway Co., Mt. Auburn Street	4-inch
Boston Elevated Railway Co., Murray Street	4-inch
Boston Elevated Railway Co., Murray Street	6-inch
Boston Elevated Railway Co., Peabody Street	6-inch
Boston Elevated Railway Co., River Street	4-inch
Boston Elevated Railway Co., University Road	8-inch
Boston & Maine Railroad, Bridge Street	6-inch
Boston & Maine Railroad, Bridge and Water Streets	6-inch
Boston & Maine Railroad, East Street	6-inch
Boston & Maine Railroad — in Yard — Four Cambridge Hydrants.	
Burke, Thomas F., 881 Massachusetts Avenue (metered)	2-inch
Cambridge, City of, Raymond Street	2-inch
Cambridge, City of, Raymond Street	6-inch
Cambridge Electric Light Co., Western Avenue	6-inch
Cambridge Garage Co., 120 Mt. Auburn Street	6-inch
Cambridge Gas Light Co., Potter Street	6-inch
Cambridge Gas Light Co., Third Street	6-inch
Cambridge Gas Light Co., Second Street	6-inch
Cambridge Ice Co., Cottage Park Avenue	6-inch
Cambridge Mutual Fire Insurance Co., Massachusetts Avenue (metered)	2-inch
Cambridge Rubber Co., Main and Windsor Streets	6-inch

Cambridge Salvage and Supply Co., 197 Fifth Street.....	6-inch
Cambridge Salvage and Supply Co., Sixth and Broadway.....	6-inch
Cambridge Salvage and Supply Co., 81-83 Broadway.....	6-inch
Carter's Ink Co., First Street (metered).....	4-inch
Carter's Ink Co., Athenaeum Street.....	6-inch
Christ Church, Garden Street.....	6-inch
Climax Paper Box Co., 20-24 Cottage Park Avenue.....	4-inch
Close, George, Broadway.....	6-inch
Codman, Catherine A., Richdale Avenue.....	6-inch
College House Trust, 1436 Massachusetts Avenue.....	4-inch
College House Trust, 1434 Massachusetts Avenue.....	6-inch
Columbia Jewelry Co., Camp Street.....	6-inch
Commonwealth Laundry, 348 Franklin Street (metered)....	4-inch
Commonwealth Laundry, 348 Franklin Street.....	6-inch
Corcoran, Heirs of John H., 631 Massachusetts Avenue.....	6-inch
Corcoran, Heirs of John H., Massachusetts Avenue and Essex Street.....	6-inch
Corcoran, Joseph F., 62 Albany Street.....	6-inch
Corcoran Supply Co.....	6-inch
Daggett Chocolate Co., Main and Ames Streets.....	6-inch
Daggett Trust, The, Ames Street.....	6-inch
Danberg Bros., 141 First Street.....	6-inch
Davenport, A. H., Cambridge Street.....	6-inch
Davenport, A. H., Otis Street.....	6-inch
Denara, Margaret, 33 Clark Street.....	6-inch
Dewey & Almy Chemical Co., 235 Harvey Street.....	6-inch
* Dewey & Almy Chemical Co., Harvey Street.....	6-inch
Dodge, Haley Co., 18 Hurley Street.....	6-inch
Dodge Motor Vehicle Co., 29 Lansdowne Street.....	6-inch
Dover Stamping and Manufacturing Co., Pleasant Street.....	6-inch
Dow Co., John C., 220 Portland Street (metered).....	2-inch
Dow, Fred H., 718 Main Street.....	6-inch
Dow, Henry J., Inc., 217 Thorndike Street.....	6-inch
Eisenberg & Shapiro, 2419 Massachusetts Avenue.....	6-inch
Elliott Addressing Machine Co., 147-153 Albany Street.....	6-inch
Episcopal Theological School, Brattle Street.....	6-inch
Eustis Manufacturing Co., J. P., 12-16 Ames Street.....	6-inch
Fellows & Son, 810 Memorial Drive.....	6-inch
Field, Walter W., 39-41 Hayward Street.....	6-inch
Filene's Sons Co., Wm., Main and Memorial Drive.....	6-inch
Filene's Sons Co., Wm., Memorial Drive.....	6-inch
Fitzgerald, John F., 31 Main Street.....	6-inch
Flash Chemical Co., Second Street.....	6-inch
Flynn, T. J., Albany and Portland Streets.....	6-inch
Freedman, Morris, 197 Fifth Street.....	6-inch
Furbish, Fred B., 41 Church Street.....	4-inch
Geilfuss, Charles A., 58 Brookline Street.....	6-inch
General Radio, 38 State Street.....	6-inch
George Realty Co., 54 Washburne Avenue.....	6-inch
Ginn & Co., First Street.....	6-inch
Ginn & Co., Athenaeum Street.....	Two 6-inch
Ginn & Co., Munroe Street.....	6-inch
Ginsberg, Harris, 25 Pearl Street.....	6-inch
Goepper Brothers, Ninth Street (metered).....	1 1/2-inch
Goldman, Lowe, 360 Prospect Street.....	6-inch
Graham & Company, James J., Otis Street.....	6-inch
Gray & Sons, Peter, Third Street.....	6-inch
Green Bros., 47 Austin Street.....	6-inch
Greer, J. W., 125 Sidney Street.....	6-inch
Greylock Candy Co., 414 Main Street.....	6-inch

* Dewey & Almy supplies connected to crossover.

Harvard Co-operative Society, Palmer Street	Two 6-inch
Harvard University, "Austin" Hall	6-inch
*Harvard University, Banks Street	4-inch
Harvard University, Claverly Hall	6-inch
Harvard University, Harvard Hall	6-inch
Harvard University, Harvard Union	6-inch
Harvard University, 2 Holmes Place	6-inch
Harvard University, 29 Holyoke Street	4-inch
Harvard University, Holyoke Hall	6-inch
Harvard University, Jefferson Physical Laboratory	6-inch
Harvard University, Langdell Hall	4-inch
Harvard University, 1354 Massachusetts Avenue	6-inch
Harvard University, 479 Massachusetts Avenue	6-inch
Harvard University, Matthews Hall	6-inch
Harvard University, Memorial Hall (metered)	Two 4-inch
Harvard University, Kirkland Street (Delta Building)	6-inch
Harvard University, Observatory	6-inch
Harvard University, Oxford Street (Drill Hall)	6-inch
Harvard University, Oxford Street (Perkins)	6-inch
Harvard University, Semitic Museum	4-inch
Harvard University, Stillman Infirmary	6-inch
Harvard University, University Hall	6-inch
Harvard University, Weld Hall (1½" meter)	6-inch
Haskell, Adams Co., 30 Henry Street	6-inch
Hasty Pudding Club, Holyoke Street	4-inch
Henderson Bros., 2069 Massachusetts Avenue	6-inch
Hews Co., A. H., Richdale Avenue	Two 4-inch
†Hews Co., A. H., Sherman Street	6-inch
Hingham Knit Goods Co., Banks Street	4-inch
Holmes Real Estate Trust, 219 Central Square	6-inch
Holmes Real Estate Trust, 624 Massachusetts Avenue	6-inch
Hood Ice Cream Co., 155 Massachusetts Avenue	6-inch
Holy Ghost Hospital for Incurables, Cambridge Street	3-inch
Houghton & Dutton, 656 Main Street	6-inch
Houghton Mifflin Co., Blackstone Street	8-inch
Houghton Mifflin Co., River Street	6-inch
Howe, Estate of Otis, 748 Main Street	6-inch
Hyde, Abe R., 432 Columbia Street	6-inch
Ideal Furniture Co., 1217 Cambridge Street	6-inch
Irving & Casson, 108 Cambridge Street	6-inch
Irving & Casson, Cambridge Street	6-inch
Irving & Casson, 27 Otis Street	6-inch
Irving & Casson, Otis Street	Two 6-inch
Irving & Casson, Thorndike Street	Two 6-inch
Irving & Casson, Thorndike Street (metered)	2-inch
Ivers & Pond Piano Co., Albany Street	4-inch
Ivers & Pond Piano Co., Main Street	6-inch
Jacobs, David, 60 First Street	6-inch
Johnson Marble Co., 37 Osborn Street	6-inch
Kendall Square Building, Trust, 20 Hayward Street	6-inch
Klauer Bros., 345 Franklin Street	6-inch
Kramer, George, 11 State Street	6-inch
Kingston Knitting Co., Carleton and Deacon Streets	6-inch
Ladd & Barker, 11 Windsor Street	6-inch
Lamb & Ritchie, Albany Street	6-inch
Lever Brothers, Ltd., Broadway	6-inch
Lever Brothers, Ltd., Burleigh Street	10-inch
Lever Brothers, Ltd., Harvard Street	8-inch

* Tapped for ¾-inch. No meter.

† Tapped for ¾-inch.

Lever Brothers, Ltd., Harvard Street	6-inch
Lever Brothers, Ltd., Broadway	8-inch
Lever Brothers, Ltd., Portland Street	6-inch
Lever Brothers, Ltd., Portland Street	6-inch
Library Bureau, Albany Street	6-inch
Liquid Carbonic Co., 136 Broadway	6-inch
Little, Inc., A. D., Memorial Drive	6-inch
Little, Brown & Co., Putnam Avenue	6-inch
Little, Brown & Co., Blackstone Street	6-inch
Lovell & Hall, Whittemore Avenue	6-inch
Lualdi, Inc., Angelo, 6 Cambridge Street	6-inch
Macomber, George E., 128 Magazine Street	6-inch
Main Street Trust, Amherst Street	6-inch
Main Street Trust, Amherst Street	6-inch
Manhattan Market Co., 271 Green Street	6-inch
Manufacturers' National Bank Realty Trust, 226 Main Street	6-inch
Manufacturers' Bank Building Trust, Main Street	6-inch
Masonic Temple, 1594 Massachusetts Avenue	4-inch
Mason & Hamlin Co., Broadway	Two 6-inch
Massachusetts Institute of Technology (boat house)	6-inch
Massachusetts Institute of Technology, Memorial Drive	6-inch
McConnell Co., Erie and Waverly Streets	8-inch
McKenzie & Thorner, 137 Main Street	6-inch
McLean, Isaac, Mt. Auburn Street	4-inch
McLean, Isaac, "Brentford Hall"	4-inch
Metropolitan Storage Warehouse Co., Massachusetts Avenue	6-inch
Middlesex County House of Correction, Second and Spring Streets	6-inch
Middlesex County, Third Street	6-inch
Moll, Blanche A., 820 Somerville Avenue	6-inch
Monk's Laundry, Norfolk Street	6-inch
Morse, Estate of A. P., 585 Massachusetts Avenue	6-inch
Mosaic Co., Pignat Vincenzie, 699 Mt. Auburn Street	6-inch
Myerson, Simon, 90 Hamilton Street	6-inch
National Biscuit Company, Franklin Street	4-inch
National Biscuit Company, Franklin Street	6-inch
National Biscuit Company, Green Street	8-inch
National Casket Company, 122 First Street	6-inch
National Casket Company, Bent Street	6-inch
National Company, 120 Brookline Street	4-inch
New England Cabinet Co., 37 Harris Street	6-inch
New England Confectionery Co., Cross Street	8-inch
*New England Confectionery Co., Massachusetts Avenue	8-inch
Newhall, C. A., 1420 Massachusetts Avenue	4-inch
Nichols, Annie W. H., Ames Street	6-inch
Nilson, Carl J., 36 Dickinson Street	6-inch
North American Chemical Co., 19 Chestnut Street	6-inch
North Packing & Provision Co., Windsor Street	6-inch
Olympia Theatre Co., Inc., Massachusetts Avenue	6-inch
O'Neil, Robert H., Jr., 47 Austin Street	6-inch
Oppenheim, Minnie and Annie, 1217 Cambridge Street	6-inch
Page Box Co., George G., Hampshire Street	Two 6-inch
Payne & Co., F. S., 75 Richdale Avenue	6-inch
Payne & Co., F. S., Richdale Avenue	6-inch
Peabody, Francis, Jr., et al., Claverly Hall	4-inch
Pettersen, Oscar G., 183 Main Street	4-inch
Pierce, Trustees of Estate of Thomas, Broadway	6-inch
Pi Eta Club, Winthrop Square	2-inch
Poole Piano Co., Sidney Street	8-inch
Porter, Henry S., Kinnaird Street (metered)	4-inch

* Tapped for garage.

Porter, Henry S., Kinnaird Street	6-inch
Preble, George E., 798 Massachusetts Avenue	6-inch
Prest-o-Lite Co., Concord Avenue	6-inch
Prussian, Samuel W., 864 Main Street	6-inch
Radcliffe College, 8 Garden Street	6-inch
Reardon & Sons Corporation, John, Waverly Street (metered)	4-inch
Reardon, Edward, Erie Street (garage)	4-inch
Revere Sugar Refinery, Water Street	6-inch
Revere Sugar Refinery, Ninth Street	6-inch
Reversible Collar Co., Putnam Avenue	6-inch
Rice & Hutchins, Inc., Landsdowne Street	6-inch
Riverside Boiler Works, Harvard Street	4-inch
Riverside Boiler Works, Main Street	6-inch
Rosen, Henry, 287 Prospect Street	6-inch
Rosenbaum, Philip, 99 Broadway	6-inch
Ross & Co., William F., 201 Bridge Street	6-inch
Russell, Estate of Joseph G., 224 Albany Street	6-inch
Russell, Lucy J., 29 Elm Street (metered)	1½-inch
Ryerson, John T., Binney Street	8-inch
Sacred Heart Parish, Seventh Street	4-inch
Salvi, Peter, 590 Main Street	8-inch
Sawyer & Son, Howard M., Thorndike Street	4-inch
Sawyer & Son, Howard M., Spring Street	6-inch
Sawyer & Son, Howard M., Second Street	6-inch
Scully, Francis P., First Street	6-inch
Scully, Sarah P., et al., 88 First Street	6-inch
Sears Roebuck & Company, 1815 Massachusetts Avenue	6-inch
Seelye, Francis P., First Street	4-inch
Shapiro, Jacob, Memorial Drive	6-inch
Sherburne, Estate of Reuben, Third Street	6-inch
Shine, John J., 420 Green Street	6-inch
Simplex Wire & Cable Company, Auburn Street	8-inch
Simplex Wire & Cable Company, Franklin Street	6-inch
Simplex Wire & Cable Company, 61 Pacific Street	6-inch
Simplex Wire & Cable Company, Pilgrim Street	4-inch
Simplex Wire & Cable Company, Sidney Street	6-inch
Southwick, Annie E., 684 Massachusetts Avenue	6-inch
Speare's Sons & Co., Alden, Binney Street	4-inch
Squire Co., J. P., Gore Street	8-inch
Standard Diary Co., 26 Blackstone Street	6-inch
Standard Oil Co., Potter Street	6-inch
Standard Plate Glass Co., 270 Albany Street	6-inch
Standard Turning Works, Main Street	4-inch
Stimpson, Harry F., 193 Albany Street	6-inch
Stimpson, Harry F., 175 Albany Street	6-inch
Stimpson, Harry F., 167 Albany Street	6-inch
Stimpson, Harry F., 157 Albany Street	6-inch
Stimpson, Harry F., 12 Emily Street	6-inch
Stimpson, Harry F., 95 Erie Street	6-inch
Stimpson, Harry F., 148 Sidney Street	6-inch
Stimpson, Harry F., 149 Sidney Street	6-inch
Stimpson, Harry F., 161 Sidney Street	6-inch
Stimpson Investment Corporation, 185 Albany Street	6-inch
Stone Co., C. W., 144 Second Street	6-inch
Suffolk Engraving & Electrotyping Co., Main and Carleton Streets	6-inch
Superior Laundry Co., 633 Concord Avenue	6-inch
Swan, Daniel A., 61 Broadway (metered)	2-inch
Sweetman, George H., 282 Portland Street	6-inch
Swift & Co., C. B., 13 Clark Street	6-inch
Tailby, Nason Co., Amherst Street	4-inch

Teele Soap Company, 6 Lincoln Place.....	6-inch
Thairwell Co., William C., 15 Tudor Street.....	4-inch
Thayer & Co., Henry, Sidney and Erie Streets.....	6-inch
Thompson Box Co., 62 Hampshire Street.....	6-inch
Thompson Box Co., 69 Hampshire Street.....	4-inch
Thorndike School, Spring Street.....	4-inch
Tower & Son, Sylvester, Broadway.....	4-inch
Union Real Estate Trust, 463 Main Street.....	4-inch
United Car Fastener Co., Amherst Street.....	6-inch
United Car Fastener Co., 43 Amherst Street.....	6-inch
United Car Fastener Co., 27 Ames Street.....	6-inch
United Car Fastener Co., 31 Ames Street (fire curtain).....	6-inch
University Associates, Bow Street, Garage.....	6-inch
University Associates, Linden Street.....	4-inch
University Associates, Massachusetts Avenue.....	6-inch
University Associates, Albany Street.....	4-inch
Ward, Corby Co., Potter Street.....	6-inch
Warren Brothers & Co., Amherst Street.....	6-inch
Webster, F. S., 23 Amherst Street.....	6-inch
White, Herbert H., University Road.....	6-inch
Winter Hill Ice Co., Charles Street.....	6-inch
Youngman, William S., Massachusetts Avenue.....	4-inch

SUPPLIES CLEANED

Year ending March 31, 1912.....	159
Year ending March 31, 1913.....	278
Year ending March 31, 1914.....	471
Year ending March 31, 1915.....	727
Year ending March 31, 1916.....	841
Year ending March 31, 1917.....	896
Year ending March 31, 1918.....	825
Year ending March 31, 1919.....	1,158
Year ending March 31, 1920.....	1,467
Year ending March 31, 1921.....	1,348
Year ending March 31, 1922.....	1,829
Year ending March 31, 1923.....	970
Year ending March 31, 1924.....	963
Year ending March 31, 1925.....	798
Year ending March 31, 1926.....	522
Year ending March 31, 1927.....	414
Year ending March 31, 1928.....	367
Year ending March 31, 1929.....	282
Year ending March 31, 1930.....	270
Year ending March 31, 1931.....	197
Nine Months ending December 31, 1931.....	130
Total.....	14,912

Since 1923 a charge of \$5 has been made for each supply cleaned.

NEW SUPPLIES

	6 Inch	4 Inch	2 Inch	1 1/2 Inch	1 1/4 Inch	1 Inch	3/4 Inch	Total
Number of supplies, cast iron.....	8	7				2	1	15
*Number of supplies, copper.....						1		3
Number of supplies, galvanized.....			6	2	1	28	13	1
Number of supplies, lead lined.....								50
Total number of supplies.....	8	7	6	2	1	31	14	69
Length, in feet, of cast-iron pipe.....	124	154						278
Length, in feet, of galvanized pipe.....		36	238	54	15	782	536	36
Length, in feet, of lead-lined pipe.....								1,625
Total length, in feet, of pipe.....	124	190	238	54	15	782	536	1,939
Number of corporation cocks.....				2		31	12	45
Number of sidewalk cocks.....				1		30	14	45
Number of valves.....		1	5	1		30	14	51
Number of service boxes.....		4						43
Number of gates.....	3							7
Number of gate boxes.....								18
Number of concrete boxes.....								2
Number of sleeves with gates.....	4	1						5
Number of clamps with cocks.....			6	1	2			9

* Pipe furnished by owners.

SUPPLIES RENEWED

	10 Inch	6 Inch	4 Inch	2 Inch	1 1/2 Inch	1 1/4 Inch	1 Inch	3/4 Inch	Total
*Number of supplies, brass.....								1	1
Number of supplies, cast iron.....			1				2		1
*Number of supplies, copper.....				7	4	1	46	1	4
Number of supplies, lead-lined.....						9		90	156
Total number of supplies.....			1	7	4	10	48	92	162
Length, in feet, of cast-iron pipe.....		10	41	182	151	207	1,575	2,130	51 4,245
Length, in feet, of lead-lined pipe.....									
Total length, in feet, of pipe.....		10	41	182	151	207	1,575	2,130	4,296
Number of corporation cocks.....							12	6	18
Number of sidewalk cocks.....				1		1	23	4	29
Number of valves.....		3		4	1	4	28	26	63
Number of gates.....									3
Number of gate boxes.....									3
Number of meter boxes.....									1
Number of service boxes.....									10
Number of cock boxes.....	1	2							3
Number of clamps with cocks.....			1						4

* Pipe furnished by owners.

SUPPLIES LAID DURING PAST TEN YEARS

YEAR	New Supplies	Total Supplies Renewed	Total Supplies	Supplies Fur- nished with Sidewalk Serv- ice-Boxes Renewals
1922.....	84	575	659	54
1923.....	152	227	379	32
1924.....	153	272	425	28
1925.....	246	263	509	15
1926.....	256	172	428	10
1927.....	270	335	605	23
1928.....	302	359	661	22
1929.....	246	289	535	11
1930.....	171	316	487	92
1931.....	138	353	491	92
*1931.....	69	162	231	53

COMPARATIVE TRENCHING FOR THE PAST TEN YEARS

	MAIN PIPE		SUPPLIES		TOTAL	
	Extension	Renewals	New	Renewals	Feet	Miles
1922.....	2,055	4,592	3,416	18,392	28,455	5.35
1923.....	4,013	1,040	5,227	7,924	18,204	3.44
1924.....	3,654	1,895	5,747	6,892	18,188	3.44
1925.....	6,337		11,134	8,795	26,266	4.97
1926.....	4,009		10,138	7,079	21,226	4.01
1927.....	4,762		9,798	8,801	23,361	4.42
1928.....	2,499	1,309	10,500	9,560	23,868	4.52
1929.....	6,066		8,554	7,105	21,727	4.11
1930.....	1,565		6,001	9,928	17,494	3.31
1931.....	4,340	607	5,225	9,916	20,088	3.80
*1931.....	27,327	1,058	1,939	4,296	34,620	6.55

Fiscal year ends March 31.

* For nine months ending December 31, 1931.

METERS ON DOMESTIC, INDUSTRIAL, ETC.

	6 Inch	4 Inch	3 Inch	2 Inch	1½ Inch	1¼ Inch	1 Inch	¾ Inch	⅝ Inch	Total
Arctic.....	..	..	..	..	..	..	..	....	1	1
Badger.....	..	1	2	10	..	..	2	48	99	162
Buffalo.....	..	..	..	..	..	..	8	13	7	28
Crown.....	..	..	..	1	..	..	..	....	....	1
Empire.....	6	10	14	11	1	1	..	....	....	43
Federal.....	..	..	..	11	11	3	12	32	93	162
Gem.....	2	9	..	..	..	..	..	....	....	11
Hersey.....	2	9	19	42	21	6	112	266	765	1,242
Keystone.....	..	8	4	..	..	1	38	131	349	531
King.....	..	..	..	5	6	..	12	27	31	81
Lambert.....	..	..	..	1	..	..	4	23	139	167
Nash.....	..	..	..	..	1	..	..	4	47	52
National Compound.....	..	1	..	..	..	..	..	....	....	1
Thomson.....	..	..	..	1	..	..	..	1	....	2
Torrent.....	..	..	1	2	..	..	..	....	....	3
Trident.....	..	..	3	33	20	9	106	212	504	887
Union Rotary.....	..	1	..	..	..	..	..	....	1	2
Watch Dog.....	..	..	10	40	28	39	98	828	1,396	2,439
Worthington.....	3	15	56	142	99	129	306	988	3,147	4,885
	13	54	109	299	187	188	698	2,573	6,579	10,700

ON PUBLIC BUILDINGS

	4 Inch	3 Inch	2 Inch	1½ Inch	1¼ Inch	1 Inch	¾ Inch	⅝ Inch	Total
Crest.....	..	..	1	..	..	..	..	..	1
Crown.....	..	..	1	..	..	..	..	..	1
Empire.....	..	2	..	..	..	..	..	..	2
Federal.....	..	..	1	..	..	..	..	..	1
Hersey.....	..	1	2	1	..	4	3	..	11
Lambert.....	..	..	..	..	..	..	1	..	1
National Compound.....	1	..	..	..	..	..	..	..	1
Torrent.....	..	..	1	..	..	..	..	..	1
Trident.....	..	..	..	..	..	4	..	4	8
Watch Dog.....	..	..	4	..	2	..	..	..	6
Worthington.....	3	3	9	15	6	6	3	4	49
	4	6	19	16	8	14	7	8	82

ON FIRE SUPPLIES

	8 Inch	6 Inch	4 Inch	3 Inch	Total
Hersey "Detectors".....	3	38	8	5	54
Hersey "Detectors and Compound".....	1	5	..	..	6
Neptune "Protectus".....	1	5	..	..	6
	5	48	8	5	66

FIRE SUPPLIES EQUIPPED WITH "DETECTOR" OR "PROTECTUS" METERS

There has been no addition to this list during the year; there are sixty-five (65) installed.

Allen & Endicott Building Company, Main Street.....	6-inch on new supply
Allen & Endicott Building Company, Osborne Street.....	6-inch on new supply
Atwood & McManus, 64 Aberdeen Avenue.....	6-inch on new supply
Baker, Brownrigg K., Osborne Street (premises).....	6-inch on new supply
Barbour Stockwell Company, 25 Broadway (premises).....	6-inch on new supply
Blacker & Shepard Company, Sidney Street.....	6-inch on new supply
Blake & Knowles Steam Pump Works, Binney and Fifth Streets (premises).....	6-inch on new supply
Blanchard Machine Company, 80 State Street (premises)....	4-inch on new supply
Boston Elevated Railway Company, Massachusetts Avenue...	6-inch on new supply
Boston Elevated Railway Company, Murray Street.....	6-inch on new supply
Boston Woven Hose & Rubber Company, Hampshire Street..	6-inch on old supply
Boston Woven Hose & Rubber Company, Portland Street...	6-inch on old supply
Boston and Maine Railroad, Bridge Street and Commercial Avenue.....	8-inch on old supply
Briggs, C. A., 418 Main Street.....	6-inch on new supply
Cambridge Paper Box Company, Broadway.....	6-inch on old supply
Cambridge Rubber Company, 748 Main Street.....	4-inch on new supply
Cutter, Wood & Sanderson, Third Street.....	6-inch on old supply
Davis, F. H., 175 Richdale Avenue.....	6-inch on new supply
Dyar Sales and Machinery Company, 62 Broadway.....	4-inch on new supply
Enterprise Moakler Company, Second Street.....	6-inch on old supply
Filene's Sons, William, 100 Main Street (premises).....	6-inch on new supply
Filene's Sons, William, Memorial Drive.....	6-inch on new supply
Ford Motor Company, Brookline Street (premises).....	6-inch on new supply
General Radio Company, 38 State Street.....	6-inch on new supply
Hammett & Company, J. L., Main and Hayward Streets (premises).....	6-inch on new supply
Harvard University, Divinity Avenue (premises).....	6-inch on new supply
Harvard University, Oxford Street (premises).....	6-inch on new supply
Harvard University, Plympton Street (Lowell Hall).....	4-inch on new supply
Harvard University, Sterling Street.....	6-inch on old supply
Harvard University, Widener Library (premises).....	3-inch on new supply
Hathaway & Sons, C. F., 15 Richdale Avenue.....	4-inch on old supply
Hathaway & Sons, C. F., 15 Richdale Avenue.....	4-inch on new supply
Houghton, H. O. (Riverside Press), 20 Blackstone Street...	6-inch on old supply
Johnson Educator Food Co., 100 Sidney Street (premises)...	6-inch on new supply
Jordan Marsh Company, Amesbury Street (premises).....	8-inch on new supply
Kemp & Sons, Lysander, Broadway (premises).....	6-inch on new supply
*Lankofsky, Baila, 329 Elm Street.....	4-inch on new supply
Lonergan, Adeline J., 1572 Massachusetts Avenue.....	3-inch on new supply
†Lualdi, Inc., Angelo, 54 Charles Street.....	
Massachusetts Institute of Technology, Ames and Amherst Streets.....	6-inch on new supply
Massachusetts Institute of Technology, 75 Massachusetts Avenue.....	8-inch on new supply
Massachusetts Institute of Technology, Vassar Street.....	8-inch on new supply
McGoldrick, H. E., 339 Franklin Street.....	3-inch on new supply

* Off.

† Supplied and covered by meter in Enterprise Moakler Company.

Morey & Company, Commercial Avenue (premises)	6-inch on new supply
The Murray Printing Co., Wadsworth Street	6-inch on new supply
National Casket Company, First Street	6-inch on new supply
New England Tel. & Tel. Co., 51 Inman Street	3-inch on new supply
Page & Shaw, 18-20 Ames Street (premises)	6-inch on old supply
Penn Metal Company, Concord Avenue	6-inch on new supply
Promboin & Son, L., 449 Windsor Street (premises)	6-inch on new supply
Radcliffe College, 8 Garden Street	6-inch on new supply
Reardon & Sons' Corporation, John, Waverly Street	8-inch on new supply
Revere Sugar Refinery, 71 Ninth Street	6-inch on new supply
Riverside Boiler Works, 493 Main Street (premises)	6-inch on new supply
Russell & Company, Norfolk Street	6-inch on new supply
Shapiro, J., 620 Memorial Drive	6-inch on new supply
Squirrel Brand Nut Company, 10-12 Boardman Street	4-inch on new supply
Standard Oil Company, 265 Sixth Street	6-inch on old supply
Standard Oil Co., Fifth and Potter Streets (premises) (garage)	3-inch on new supply
Sterling Knit Goods Company, Stiles Street	6-inch on old supply
Sugarman Brothers, 541 Windsor Street	6-inch on new supply
United Car Fastener Company, 31 Ames Street	6-inch on new supply
United Car Fastener Company, Amherst Street	6-inch on new supply
University Press, Nutting Place	6-inch on old supply
University Press, University Road	6-inch on new supply
Ward Baking Company, Albany Street	6-inch on old supply
Wheelock Lovejoy Company, Sidney Street	6-inch on new supply
Whiting Milk Company, Albany Street	6-inch on new supply

DRINKING FOUNTAINS

The total number of small drinking fountains is fourteen (14):

Broadway at Norfolk Street ("Jones" bubble)
 Fresh Pond Driveway ("Jenks" bubble)
 Granite Street Playground ("Eastern" bubble)
 Huron Avenue at Cushing Street Playground ("Jenks" bubble)
 Huron Avenue at Cushing Street Playground ("Jenks" bubble)
 Inman Square ("Jenks" bubble)
 McNamee Square ("Jones" bubble)
 Memorial Drive, east side, opposite Massachusetts Institute of Technology ("Jenks" bubble)
 Montague Street, Russell Hoyt Field ("Jenks" bubble)
 Mount Auburn Street in Parkway ("Jones" bubble)
 Mount Auburn Street opposite Coolidge Avenue ("Jenks" bubble)
 Tech Street ("Jenks" bubble)
 Western Avenue Mill Playground ("Jenks" bubble)
 Windsor Street at Broadway ("Jenks" bubble)

The supply of the ice water drinking fountain in Putnam Square has been renewed.

ICE WATER DRINKING FOUNTAINS

The Cost of Furnishing Fountains with Ice During the Summer Months for the
Past Twenty-Eight Years

Year	LOCATION									COST	
	Cambridge Field	Cambridge Street at Third Street	Central Square	Harvard Square	Kendall Square	Mass. Ave. at Blake St.	Mass. Ave. at Cameron Ave.	Putnam Square	Rindge Field	Total Cost per Year	Average Cost per Day per Fountain
1904	.....	\$145.50	\$112.50	\$105.60	.....	\$96.75	.....	.....	.....	\$460.35	\$1.20
1905	.....	125.55	129.90	103.43	.....	155.30	.....	.....	.....	514.18	.94
1906	.....	180.95	175.35	166.69	.....	157.25	\$115.40	.....	.....	795.64	1.57
1907	\$102.37	110.50	127.13	110.50	.....	102.74	102.25	.....	.....	655.49	1.09
1908	89.49	127.00	134.38	127.87	.....	111.50	115.75	.....	.....	705.99	1.04
1909	121.05	185.68	124.50	122.70	.....	141.60	127.95	.....	.....	823.48	1.15
1910	134.10	149.70	.....	134.55	.....	140.25	154.05	.....	.....	712.65	1.24
1911	123.60	167.65	.....	127.20	.....	146.70	169.05	.....	.....	734.20	1.34
1912	120.30	134.85	108.15	120.75	.....	139.95	165.00	.....	\$129.75	918.75	1.25
1913	135.82	174.19	175.22	138.02	.....	119.22	116.33	.....	112.01	970.81	.97
1914	113.77	149.57	152.88	113.78	.....	64.82	74.45	.....	78.41	747.68	.78
1915	89.67	120.41	109.80	83.49	.....	77.09	84.44	\$65.85	89.08	719.83	.74
1916	63.21	118.87	116.43	87.31	.....	49.24	62.62	63.49	62.47	623.64	.79
1917	62.85	136.49	133.56	101.10	.....	83.47	82.24	83.47	83.47	766.65	1.37
1918	110.45	216.52	183.35	152.29	\$110.45	110.45	99.88	122.10	110.45	1,216.04	1.57
1919	98.00	207.51	156.40	130.34	97.21	98.00	98.00	102.71	98.00	1,086.17	1.68
1920	97.22	192.47	155.23	125.44	97.21	97.21	97.21	103.49	97.21	1,062.69	1.82
1921	124.66	378.82	202.27	168.56	125.44	124.66	125.44	133.27	125.05	1,508.17	1.58
1922	113.68	162.73	183.46	152.88	113.68	113.68	107.40	123.87	113.68	1,185.06	1.71
1923	105.06	237.55	169.34	141.12	105.06	105.06	105.06	112.90	105.06	1,186.21	1.85
1924	112.11	244.99	181.10	150.92	112.11	112.11	112.11	120.74	112.11	1,258.30	1.52
1925	115.25	201.10	183.46	152.88	115.25	115.25	115.25	122.30	115.25	1,235.99	1.76
1926	90.15	143.87	145.82	121.52	90.15	90.15	90.15	97.22	90.15	959.18	1.75
1927	101.91	178.96	145.82	121.52	76.83	101.91	101.91	97.22	101.91	1,027.99	1.63
1928	122.30	203.23	192.86	164.64	122.30	122.30	122.30	131.71	122.30	1,303.94	1.75
1929	205.80	189.26	204.62	172.48	136.43	138.00	139.56	136.42	138.00	1,460.57	1.86
1930	164.83	207.50	160.00	83.88	113.74	109.78	106.68	158.69	113.74	1,218.84	1.88
1931	187.30	180.44	189.60	176.60	141.80	148.54	154.87	147.40	150.97	1,477.52	1.71

STONY BROOK OVERFLOW, ETC., FOR THE PAST FORTY-FOUR YEARS

	Gallons	No. of Days	Rainfall
1888.....	6,000,000,000	...	.....
1889.....	8,000,000,000	...	.....
1890.....	8,700,000,000	...	.....
1891.....	8,247,800,000	...	45.25
1892.....	3,688,900,000	...	39.82
1893.....	4,427,400,000	...	39.50
1894.....	2,853,000,000	...	35.79
1895.....	5,281,900,000	224	50.52
1896.....	5,704,700,000	224	50.52
1897.....	3,999,700,000	256	43.35
1898.....	5,704,600,000	260	54.03
1899.....	6,969,500,000	175	43.96
1900.....	4,447,100,000	145	51.34
1901.....	6,141,300,000	157	46.77
1902.....	6,359,100,000	182	44.58
1903.....	6,437,500,000	222	45.97
1904.....	5,726,399,000	171	41.18
1905.....	3,148,900,000	140	38.40
1906.....	3,510,700,000	170	39.16
1907.....	2,415,900,000	147	42.32
*1908.....	3,384,300,000	184	48.23
†1909 for 4 months.....	960,800,000	50	
‡1910.....	2,531,500,000	137	37.83
‡1911.....	57,200,000	22	31.78
‡1912.....	1,395,200,000	69	42.63
‡1913.....	2,571,200,000	132	41.22
‡1914.....	3,022,800,000	99	42.13
‡1915.....	3,477,200,000	111	34.44
‡1916.....	2,581,900,000	136	41.90
‡1917.....	4,091,800,000	141	37.11
‡1918.....	2,386,100,000	136	38.69
‡1919.....	2,186,400,000	111	41.24
‡1920.....	5,502,900,000	173	51.33
‡1921.....	5,727,600,000	217	40.52
‡1922.....	3,351,100,000	135	44.11
‡1923.....	2,981,000,000	125	50.74
‡1924.....	1,936,700,000	145	37.09
‡1925.....	2,941,900,000	113	43.27
‡1926.....	1,782,900,000	82	44.27
‡1927.....	1,834,524,000	82	39.63
‡1928.....	2,118,753,000	199	46.98
‡1929.....	2,471,275,000	180	46.28
‡1930.....	1,894,741,000	79	36.50
‡1931.....	984,313,000	53	40.82
§1931 for 9 months.....	943,665,000	79	32.20

Since 1921, the decrease in the gallons overflow has been due to the raising of the elevation of the crests of the Stony and Hobbs Brooks waterways two feet, which provided for an additional storage for 48,000,000 gallons of water in Stony Brook and 489,000,000 gallons in Hobbs Brook that usually wasted into Charles River.

*Previous to 1908—Fiscal year ended November 30.
†Overflow from December 1, 1908, to March 31, 1909.
‡Fiscal year ended March 31.
§ Fiscal year changed to December 31, 1931.

STONY BROOK OVERFLOW

	Gallons	Days	Rainfall
• 1931			
April	421,453,000	30	3.41
May	97,849,000	24	3.67
June	421,600,000	20	9.41
July	2,763,000	5	3.05
August . . . . .	.....	..	4.91
September . . . . .	.....	..	1.46
October . . . . .	.....	..	2.18
November . . . . .	.....	..	.67
December . . . . .	.....	..	3.44
Total overflow, 9 months.	943,665,000		
Number of days in which water wasted		79	
Total rainfall			32.20

STONY BROOK RESERVOIR

HOBBS BROOK RESERVOIRS

Lincoln Street, Basin No. 1

Winter Street, Basin No. 2

Lincoln Street, Basin No. 1		Winter Street, Basin No. 2		Rainfall	Elevations			Rainfall
Date	Highest Elevation During Month	Lowest Elevation During Month	Date	Highest Elevation During Month	Lowest Elevation During Month	Date	Highest Elevation During Month	
April 1.....	180.94	179.03	April 1.....	180.94	179.03	April 1.....	83.73	
April 30.....	180.97	180.97	April 30.....	180.94	180.97	April 30.....	83.36	3.41
May 1.....	182.00	182.04	May 1.....	182.00	182.04	May 16.....	83.80	3.67
May 31.....	183.54	183.42	May 31.....	183.54	182.04	May 31.....	83.10	9.41
June 1.....	183.11	183.12	June 1.....	183.11	183.12	June 9.....	79.60	3.05
June 19.....	181.75	181.75	June 19.....	181.75	181.75	June 12.....	80.98	4.91
June 9.....	179.84	179.84	July 9.....	181.65	179.84	July 11.....	79.49	67
July 31.....	179.77	178.15	July 31.....	179.77	178.15	July 31.....	76.31	3.44
August 1.....	178.21	177.07	August 1.....	178.21	177.07	August 9.....	83.20	
August 31.....	177.32	176.40	August 31.....	177.32	176.40	August 31.....		32.20
September 1.....			September 1.....			September 8.....		
September 30.....			September 30.....			September 29.....		
October 1.....			October 1.....			October 1.....		
October 29.....			October 29.....			October 29.....		
November 1.....			November 1.....			November 1.....		
November 26.....			November 26.....			November 13.....		
December 11.....			December 11.....			December 4.....		
December 29.....			December 29.....			December 29.....		
Total.....				29.33				

FINANCIAL STATEMENT

April 1 to December 31, 1931

General Maintenance Account

A. Personal Service

Superintendent	\$3,761 61	
Chief Clerk	2,101 79	
Clerks	10,334 32	
Inspectors	18,008 00	
Permanent labor	92,160 77	
Unassigned	200 00	
		\$126,566 49

B. Service Other than Personal.

1. Printing and binding	\$477 10	
2. Postage	619 00	
3. Advertising and posting	133 82	
4. Transportation of persons	469 00	
5. Cartage and freight	50 10	
8. Light and power	172 30	
9. Lighting at pipe yard	32 31	
10. Rent, taxes, water	3,274 61	
13. Communication	414 87	
14. Motor vehicles, care and repair	456 13	
22. Medical	81 50	
31. Extermination of insects	24 96	
35. Fees, services of venires	25 50	
37. Photographic and blueprinting	6 30	
39. Service not otherwise coded	375 37	
		6,612 87

C. Equipment

2. Machinery	\$192 00	
4. Motor vehicles	1,600 00	
7. Furniture and fittings	9 01	
9. Office	268 32	
13. Tools and instruments	1,604 67	
16. Wearing apparel	12 74	
17. Equipment not otherwise coded	38 22	
		3,724 96

D. Supplies

1. Office	\$1,026 01	
2. Food and ice	1,477 52	
3. Fuel	200 00	
5. Medical surgical laboratory	6 29	
8. Laundry, cleaning, toilet	16 00	
11. Motor vehicle	1,869 29	
13. Chemicals	43 17	
16. Supplies not otherwise coded	543 58	
		5,181 86

E. Materials

6. Water.....	\$33,399 75	
13. Materials not otherwise coded.....	534 43	
		\$33,934 18

F. Special Items

7. Pensions and annuities.....	\$9,242 38	
11. Workingmen's compensation.....	92 57	
		9,334 95

G. Incidental Expenditures

1. Inspection of plant.....	\$55 50	
2. Leakage.....	53 80	
3. Inspections outside of State.....	135 00	
		244 30

Debt and Interest Requirements

Serial Loan.....	\$31,000 00	
Interest.....	31,996 25	
		62,996 25

Total General Maintenance account..... \$248,595 86

Pumping Maintenance Account

A. Personal Service

Permanent.....	\$17,963 89	
Transient.....	1,623 00	
Coal passing.....	1,427 69	
Coal unloading.....	325 15	
Vacation fireman.....	490 14	
		\$21,829 87

B. Service Other than Personal

4. Transportation of persons.....	\$15 00	
5. Cartage and freight.....	7 13	
8. Light and power.....	582 89	
13. Communication.....	48 46	
22. Medical.....	15 00	
39. Service not otherwise coded.....	1,276 72	
		1,945 20

C. Equipment

7. Furniture and fittings.....	\$83 16	
13. Tools and instruments.....	116 83	
17. Equipment not otherwise coded.....	15 43	
		215 42

D. Supplies

1. Office.....	\$2.45	
2. Food and ice.....	62 19	
3. Fuel.....	12,592 30	
8. Laundry, cleaning, toilet.....	21 20	
13. Chemicals and disinfectants.....	72 40	
16. Supplies not otherwise coded.....	1,737 61	
		14,488 15

E. Materials

13. Materials not otherwise coded	\$1,716 45
Total Pumping Maintenance Account	<u>\$40,195 09</u>

Reservoir Maintenance Account

A. Personal Service

1. Permanent employees, Fresh Pond	\$23,802 07	
Permanent employees, Payson Park	1,281 00	
Transient employees, Payson Park	934 50	
Permanent employees, Hobbs Brook	1,090 84	
Permanent employees, Stony Brook	1,090 84	
	<u></u>	\$28,199 25
2. Transient		375 00

B. Service Other than Personal

1. Printing and binding	\$15 00	
4. Transportation of persons	75 00	
5. Cartage and freight	63	
6. Hire of teams and trucks	50 00	
9. Lighting reservoir (Payson Park)	4 60	
10. Rent, taxes and water	60 50	
13. Communication	119 25	
15. Motorless vehicle repair	6 00	
18. Cleaning	3,194 84	
39. Service not otherwise coded	412 14	
40. Harness, etc., repairs	15 50	
41. Horseshoeing and clipping	197 25	
	<u></u>	4,150 71

C. Equipment

5. Motorless vehicles	\$30 00	
13. Tools and instruments	42 20	
14. Livestock	37 50	
16. Wearing apparel	9 00	
	<u></u>	118 70

D. Supplies

3. Fuel	\$71 46	
4. Forage and animal	188 04	
13. Chemicals and disinfectants	3 90	
16. Supplies not otherwise coded	90 69	
	<u></u>	354 09

E. Materials

13. Materials not otherwise coded	490 10
Total Reservoir Maintenance Account	<u>\$33,687 85</u>

Filtration Maintenance Account**A. Personal Service**

Permanent operators	\$11,202 35	
Residence chemist	1,883 72	
Consulting chemist	1,125 00	
Labor	1,975 75	
		\$16,186 82

B. Service Other than Personal

5. Cartage and freight	\$8 71	
8. Light and power	4,257 51	
13. Communication	59 97	
39. Service not otherwise coded	51 94	
		4,378 13

C. Equipment

7. Furniture and fittings	\$47 52	
13. Tools and instruments	19 90	
17. Equipment not otherwise coded	312 70	
		380 12

D. Supplies

1. Office	\$2 28	
2. Food and ice	39 45	
3. Fuel	750 00	
5. Medical, surgical, laboratory	128 78	
13. Chemicals and disinfectants	11,816 87	
16. Supplies not otherwise coded	549 17	
		13,286 55

Total Filtration Account		\$34,231 62
--------------------------------	-------	-------------

Total Expenditures

Maintenance, General	\$248,595 86	
Maintenance, Pumping	40,195 09	
Maintenance, Reservoirs	33,687 85	
Maintenance, Filtration	34,231 62	

Total Expenditures, Maintenance		\$356,710 42
---------------------------------------	--	--------------

Deducting interest	\$31,996 25	
Deducting serial loan	31,000 00	
Deducting amounts received from new supplies, re- newals, and cleaning supplies	14,662 33	
		77,658 58

Leaving for operating expenditures		\$279,051 84
--	--	--------------

Cost Per Million Gallons

Based on general expenses (\$248,595.86)	\$72 82
Based on pumping expenses (\$40,195.09)	11 77
Based on filtration expenses (\$34,231.62)	10 03
Based on operating expenses (\$279,051.84)	81 74
Based on total expenses (\$356,710.42)	104 49

The construction of heat tunnels in Bow Street by Harvard University, and in Third Street, have necessitated supervision of the pipes and conformation to the new construction.

The employees of the department have responded to the request of Mayor Russell and contributed to the unemployment fund.

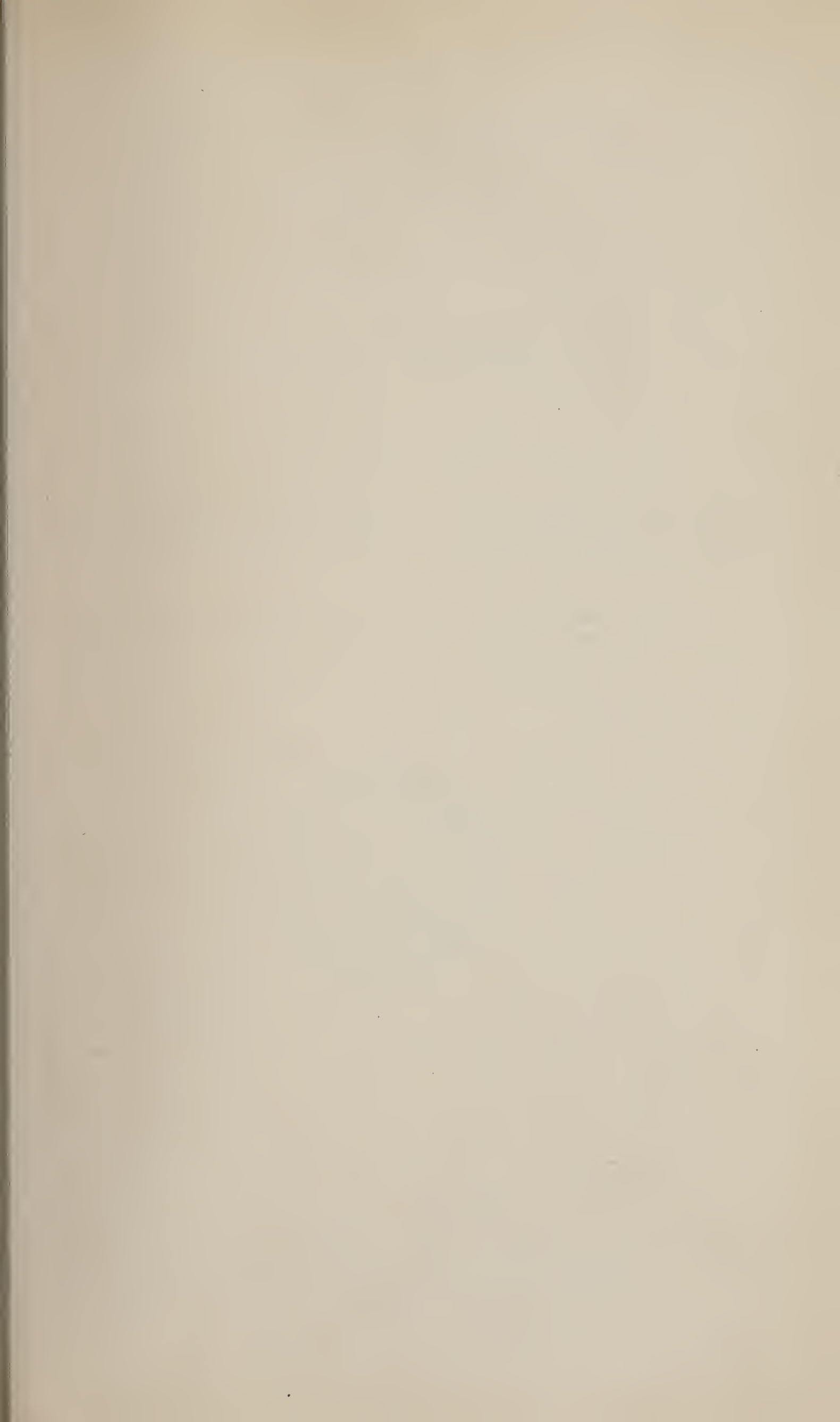
We have lost by death, two of our employees this year: Arthur Rooney, a filter operator and a veteran, passed away in April, 1931. Patrick Murphy, a machinist in the employ of the department since 1912, passed away in January, 1931. The department hereby places their names on record and acknowledges its appreciation of their faithful services to the City.

Two men have been pensioned. Patrick McBride, who has worked as a laborer since November, 1912, was retired in July, 1931. Jeremiah E. Sullivan, who has been employed since November, 1911 as a maintenance man, was retired in August, 1931.

Two of our old employees, retired on pension, died during the year. William Condon, who was pensioned in 1928; Patrick Shea, who was pensioned in 1925.

Respectfully submitted,

TIMOTHY W. GOOD,
General Superintendent.



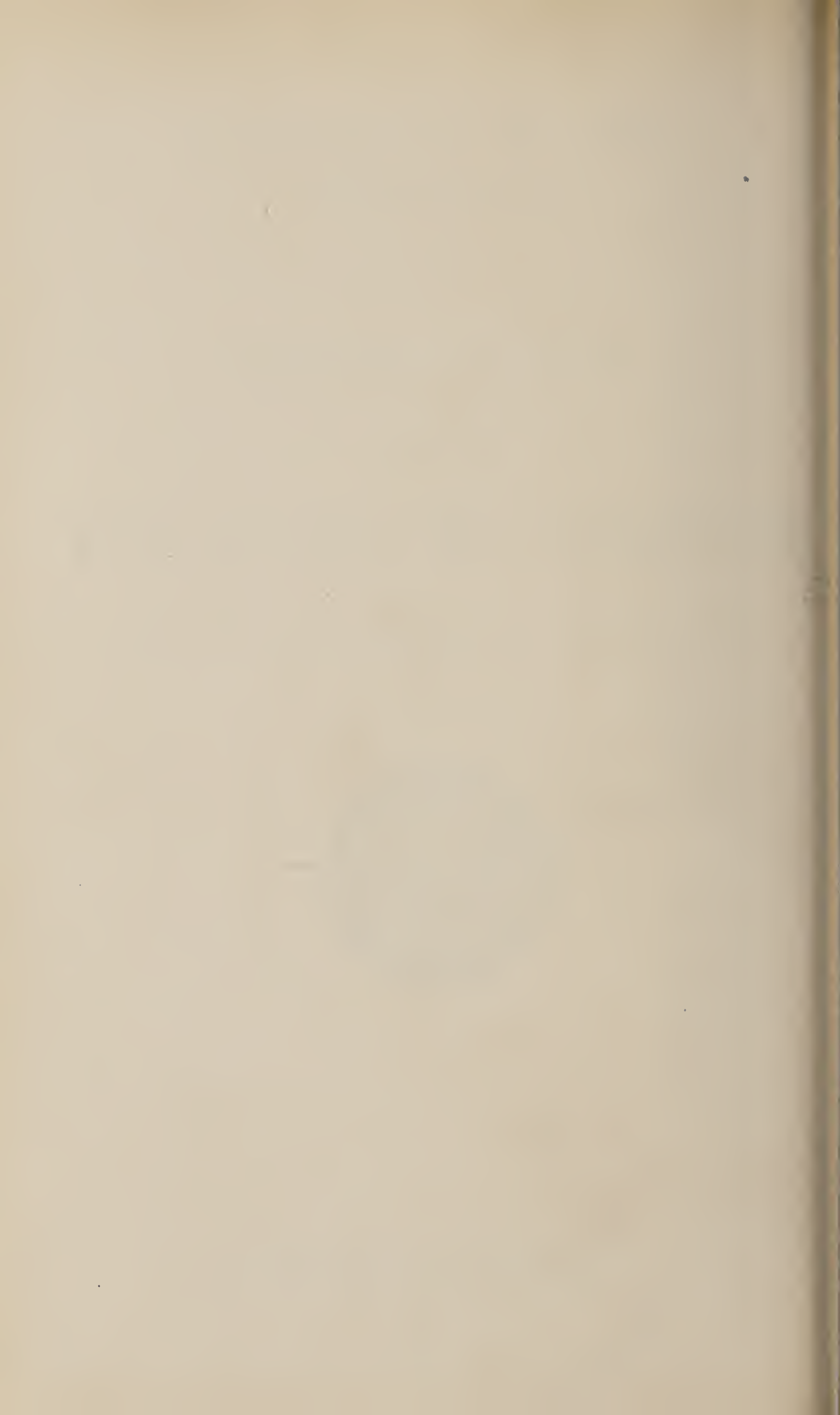
CITY OF CAMBRIDGE
MASSACHUSETTS

ANNUAL REPORT
OF THE
BOARD OF HEALTH

For the Year Ending December 31, 1931



PRINTED FOR THE DEPARTMENT
UNDER THE DIRECTION OF THE CITY CLERK



ORGANIZATION OF HEALTH DEPARTMENT

BOARD OF HEALTH

JOSEPH M. WADDEN, M.D., *Chairman*

PROF. ELIE H. LA PIERRE

DAVID J. NELLIGAN

Agent and Clerk

JOHN D. CROWLEY

Medical Inspector

SIMON B. KELLEHER, M.D.

Office

MARGARET G. FITZGERALD

CATHERINE J. DONOVAN

CATHARINE H. MURPHY

Social Worker

C. ISABEL TORNEY

Bacteriologist and Inspector of Milk

ROBERT E. BEMIS, Ph.C.

Collector of Cultures

WARREN G. MURPHY*

Collector of Samples

THOMAS J. COLLINS

Inspectors of Food and Provisions

JOSEPH L. JOHNSON

JOSEPH P. MURPHY

Inspectors of Slaughtering

DAVID L. BOLGER, D.V.S.

JOSEPH L. JOHNSON

JOSEPH P. MURPHY

Housing and Plumbing Inspector

AUGUSTIN M. JOHNSON

Sanitary Inspectors

FRANCIS H. NUGENT

MICHAEL T. WALSH

PATRICK J. MURPHY

THOMAS F. PHELAN

EUGENE P. CALLAHAN

School Physicians

WILLIAM H. CLANCY, M.D.

SAMUEL E. CHALFEN, M.D.

WILLIAM E. FLEET, M.D.

MYER MARLIN, M.D.

CHARLES M. HUTCHINSON, M.D.

JOHN P. NELLIGAN, M.D.

JOHN F. FAIR, M.D.

GEORGE A. WHITE, M.D.

FRANCIS J. BARNES, M.D.

JOSEPH M. WADDEN, M.D.

JOHN J. MURPHY, M.D.

FRANCIS DOWNEY, M.D.

SUMNER C. ANDREWS, M.D.

* Leave of absence.

School NursesMARY C. CHURCH, R.N., *Chief*

MARY A. KENNEY, R.N.	CATHERINE M. BURKE, R.N.
BEATRICE E. HAYDEN, R.N.	MARY C. O'NEILL, R.N.
ELIZABETH HAYDEN, R.N.	MARGARET McINERNEY, R.N.
MARY G. WELCH, R.N.	ELIZABETH SULLIVAN, R.N.
ANNA SHEEHAN, R.N.	

Dental Clinics**Dentists**

EMILY M. LUCK, D.M.D.
 MATTHEW F. SHEA, D.M.D.
 WALTER L. CRONIN, D.M.D.
 WILLIAM H. MORAN, D.M.D.
 GEORGE A. WHITE, D.M.D.
 JOHN L. McCARTHY, D.M.D.
 JULIAN B. DOHERTY, D.M.D.
 HERBERT L. SMOLAR, D.M.D.
 EDWARD ROSENBERG, D.M.D.

Assistants

GERTRUDE DuBOIS
 ALICE S. LOGAN
 AGNES McCORMICK
 GRACE F. MANSFIELD
 MARGARET GARLAND
 JOSEPHINE P. ALPHEN
 HELEN ROACH

Schick Clinics (Diphtheria)

GEORGE A. WHITE, M.D.	KATHERINE McGRATH, R.N.
-----------------------	-------------------------

Baby Clinics**Physicians***

FRANCIS T. DOWNEY, M.D.	SAMUEL E. CHALFEN, M.D.
SAMUEL A. CLEMENT, M.D.	A. WEIDMAN, M.D.
MYER MARLIN, M.D.	MAURICE S. DUCHIN, M.D.
JAMES C. HEALY, M.D.	EUGENE GORMAN, M.D.
WALDO W. ROBBINS, M.D.	

Nurses

BRIDGET A. HEANUE, R.N.	JENNIE T. MALONE, R.N.
MARY A. MacDONALD, R.N.	AGNES C. TOOLE, R.N.

Communicable Disease Nurses

ANNA B. DRISCOLL, R.N.	ANNA E. DUNDON, R.N.
------------------------	----------------------

Tuberculosis Dispensary

1481 Cambridge Street

PATRICK J. FLEMING, M.D. <i>Physician</i>	} <i>Field Nurses</i>
HELEN C. CUMMINGS, R.N.	
MARGARET N. H. McGRATH, R.N.	

Tuberculosis Hospital

799 Concord Avenue

SIMON B. KELLEHER, M.D., *Superintendent*
 FELIX F. McGIRR, M.D., *Physician*
 MARGARET H. CONLON, R.N., *Matron*

* Gratis

REPORT OF THE BOARD OF HEALTH

Cambridge, January 31, 1932.

To the Honorable City Council:

Submitting herewith the annual report of the Board of Health for the year ending December 31, 1931. This is the fifty-fifth annual report of the Cambridge Board of Health. The personnel of the Department, as well as the several and varied activities of the Department, including statistics and summaries of divisional reports, is shown in detail herewith.

A critical situation in public health administration is developing throughout the country because of the present tendency of curtailment of budgets. It is worthy of serious consideration that total expenditures for health work have heretofore been minimal compared with expenditures for other public services. Public health work has paid its way, being in fact one of the greatest investment services of our people. What has been put into public health has been paid back to the public many times over in reduced sickness, lower medical cost, and in the salvage of valuable lives. Throughout the period of the economic disturbance, through which we are now going, the public health has held up beautifully, showing the effectiveness of our health organizations, and they may be relied upon even in periods of stress to do their work well. Each recommendation has been in accord with modern science, and with advancing science good health administration and better city health become more and more purchasable commodities. Any undue retrenchment in health work is bound to be paid for in dollars and cents as well as in the impairment of the people's health generally. Too great economy, as far as health is concerned, because of the current depression, is particularly dangerous to the welfare of growing children. Undernourishment of children, for example, is not likely to show itself immediately, but is bound to show its effects later when it is probably too late to remedy. The ground lost by undernourishment in childhood may never be regained.

During the year the Board of Health held fifty-three meetings, of which twelve were held evenings for public hearings. There has

been no change in the personnel of the Board or the Department during the year.

The total number of deaths during the year was 1,364, making a general death rate of 11.93 per 100,000 population. The death rate of Cambridge residents only (including Cambridge residents who died outside our City) was 11.04. The Cambridge resident death rate is the second lowest in the history of our City, notwithstanding a slightly higher general death rate for the past four years, due to a marked decrease in "official" population, as shown by the 1930 Federal Census in comparison to the estimated population of the previous four years based on the Federal and State Censuses of 1920 and 1925. The infant mortality rate for 1931 was 52 per 1,000 live births, with only 129 deaths under one year of age (excluding stillbirths, 80), one of the lowest rates and number of deaths since we have been a city. Our birth rate for 1931 was 22.70 per 1,000 population, in comparison to 22.87 in 1930; 20.88 in 1929; 22.44 in 1928, and 23.54 in 1927.

The major causes of death in 1931 were as follows: heart, 260; cerebral hemorrhage, 162; cancer, 158; pneumonia, 134; arteriosclerosis, 86; pulmonary tuberculosis, 69; and Bright's disease, 38. It will be noted that cancer has dropped to third place with pneumonia remaining in fourth place as leading causes of death, while pulmonary tuberculosis again reached its lowest rate in the history of our City. Heart disease, the leading cause of death, increased 40 per cent in comparison with 1930, while Bright's disease decreased 50 per cent as causes of death.

The seven leading causes totalled 903 deaths or 66 per cent of the total deaths from all causes in 1931. Twenty-nine and seven tenths per cent of all deaths in 1931 were of persons seventy years of age or over in comparison to 29.4 per cent in 1930, 25.5 per cent in 1929, 28 per cent in 1928 and 27.5 per cent in 1927.

The major communicable diseases were again less in number than during recent years with the exception of scarlet fever and lobar pneumonia. Over 60 per cent of these diseases were hospitalized. There were only fifty-three cases of diphtheria reported during the year in comparison to 227 in 1921, a reduction of 75 per cent. Notwithstanding the readily available diphtheria immunization, there were five deaths from this disease, not one of whom had been given the benefit of such immunization.

There was an average of 79 patients per day at our Tubercu-

losis Hospital, with a total of 28,885 patient days at a total operating cost of \$65,624.41 or \$2.27 per patient per day in comparison with 79 patients per day at a per capita cost of \$2.26 in 1930; 75 patients per day at \$2.54 in 1929; 59 patients per day at \$3.03 in 1928. The increase in number of patients and decrease in per capita cost were due to a continuance of the arrangement with the State Division of Tuberculosis, Middlesex County and the Chelsea, Revere, and Winthrop District to utilize our hospital facilities for their tuberculous needing immediate hospital care. With the opening of the Middlesex County Sanatorium in September there was a noticeable reduction in admission of county patients with consequent reduction in revenue. Our revenue for care at the Tuberculosis Hospital for 1931 was \$29,752.49, or about forty-five per cent of the cost of operation.

During the year the grounds in front of the Tuberculosis Hospital were graded by service provided by the Unemployment Relief Committee. The patients' dining room was sheathed and painted. A weekly newspaper, *The Cam San News*, was planned, prepared, and issued by the patients at the hospital without expense to the City through the leadership and ambition of one of the patients who has been sufficiently rehabilitated to warrant discharge as an arrested case; this same individual was responsible for the reestablishment of educational classes, the books and equipment for which were provided by the School Department.

The rooms in the Weitz House of the City Hospital group were renovated and made suitable for our Tuberculosis Dispensary and Central Dental Clinic.

It is again recommended that serious consideration be given to the appointment of a full-time health officer who is trained in public health science and who shall give his time exclusively to this work; to the appointment of a properly qualified "Director of Health Education," and for compensating the physicians attending regularly the weekly Infant Welfare Clinics.

The Department is continuing its active coöperation with the State Department of Public Health in its ten-year juvenile tuberculosis program, the State Department of Public Welfare in its survey of crippled children, and the State Department of Mental Diseases in its survey of the mentally retarded.

The Board takes advantage of this opportunity to express its sincere appreciation of the coöperation and assistance given it

during the year by the several city officials, official and unofficial agencies, and all others who have contributed in maintaining the present high standard of public health in our City.

JOSEPH M. WADDEN, M.D.
ELIE H. LaPIERRE, Ph.G.
DAVID J. NELLIGAN.

EXPENDITURES

EXPENDED FOR SALARIES

January 1–December 31, 1931

Medical Inspector	\$3,500 06	
Clerk	3,476 05	
Social Worker	1,900 03	
Stenographers and Clerks (3)	4,529 34	
Inspectors of Provisions (2)	5,341 13	
Sanitary Inspectors (5)	10,583 75	
Plumbing and Housing Inspector	2,721 50	
School Nurses (10)	16,095 39	
School Physicians (14)	9,824 52	
Infant Welfare Nurses (4)	6,834 30	
Contagious Disease Nurses (2)	3,433 40	
Inspector of Slaughtering	2,080 00	
Dispensary Physician (Tuberculosis)	800 06	
Dispensary Nurses, 2 (Tuberculosis)	3,433 40	
Physician, Schick Clinics	1,500 00	
Clinic Nurse, Schick	1,716 39	
		\$77,769 32

EXPENDED FOR GENERAL EXPENSES

January 1–December 31, 1931

(A) Board and Care:

Tuberculosis	\$219 94	
Scarlet Fever	19,960 50	
Diphtheria	1,695 00	
Anterior Poliomyelitis	426 00	
Ophthalmia Neonatorum	277 60	
Suppurative Conjunctivitis	104 55	
Whooping Cough	81 00	
Dog Bite (requiring anti-rabic treatment)	75 30	
Septic Sore Throat	15 00	
Measles	21 00	
Chicken Pox	33 00	
		\$22,908 89

(B) Reimbursement of other cities and towns and of the Commonwealth:

Tuberculosis	\$8,015 50	
Gonorrhea	9 00	
Syphilis	499 92	
Scarlet Fever	728 00	
Trachoma	78 85	
Suppurative Conjunctivitis	87 43	
German Measles	31 29	
Measles	13 50	
		\$9,463 49

Printing and binding	\$229 00
Postage	318 48
Transportation of persons	906 19
Rent, water, and taxes	12 00
Communication (telephone)	209 11
Motor vehicle repairs and care	279 78
Care of persons (See A and B)	32,372 38

Motor vehicle supplies	\$450 48	
Fees, services of venires, etc.	12 00	
General (miscellaneous)	17 75	
Office supplies	720 07	
Ice (laboratory)	67 50	
Schick Clinic supplies	104 21	
School Inspection supplies	237 30	
Infant Welfare supplies	806 84	
Advertising and postage	16 40	
Tuberculosis Dispensary	655 24	
Cartage and freight	39 00	
Furniture and fittings	35 00	
Medical, surgical, laboratory (Tuberculosis Dispensary)	212 53	
Convention (out of State)	71 80	
		\$37,773 11

EXPENDED FOR TUBERCULOSIS HOSPITAL

Salaries:	January 1–December 31, 1931	
Physician	\$1,600 03	
Interne	605 67	
Matron	1,700 06	
Supervisor of Nurses	1,200 00	
Nurses (9)	6,485 09	
Cook	1,131 34	
Assistant Cooks (2)	1,312 39	
Dishwashers (3)	1,633 50	
Laundress	658 34	
Launderer	737 34	
Maids (2)	1,288 44	
Scrubwoman	658 34	
Scrubman	658 34	
Engineer	2,449 00	
Firemen (4)	6,875 16	
Caretaker	790 00	
Assistant Caretakers (Choremens)	1,580 00	
Vacation Substitutes	868 87	
		\$32,231 91
Postage	\$21 72	
Cartage and freight	48 89	
Light and power	157 01	
Communication (telephone)	140 48	
General Plant (repairs, etc.)	1,914 79	
Office supplies	22 25	
Food and ice	21,739 38	
Fuel	4,509 21	
Medical, surgical, laboratory supplies	1,854 47	
Laundry, cleaning, toilet supplies	747 82	
Chemicals and disinfectants	21 25	
Engine and fire room supplies	350 08	
Bedding, linen, etc.	746 90	
Agricultural and gardening supplies	10 55	
Furniture and fittings	627 80	
Medical equipment	33 00	
Medical care	24 00	
Workingmen's compensation	245 00	
Sanitary equipment	177 90	
		\$33,392 50

EXPENDED FOR LABORATORY

January 1-December 31, 1931

Salaries:

Technician	\$3,000 00	
Substitute Bacteriologist (vacation)	50 00	
Collector of samples	2,370 30	
Culture Collector	360 00	
		\$5,780 30

Postage	\$15 00	
Motor vehicle, repairs and care	88 54	
Fees, services of venire, etc.	3 00	
Medical, surgical and laboratory	187 81	
Office supplies	73 65	
Motor vehicles	112 21	
General plant (service and supplies)	16 45	
Transportation of persons	12 24	
		\$508 90

EXPENDED FOR DENTAL CLINICS

January 1-December 31, 1931

Salaries:

Dentists	\$11,211 20	
Assistants	3,174 66	
		\$14,385 86

Office supplies	\$83 25	
Dental supplies	762 20	
General service (renovation)	585 90	
Furniture and fittings	95 75	
		\$1,527 10

BOARD OF HEALTH RECEIPTS

January 1-December 31, 1931

Contagious Diseases (including all but tuberculosis)

State	\$2,189 00	
Cities and towns	3,306 64	
Individuals	965 50	
		\$6,461 14

TUBERCULOSIS

State	\$7,881 50	
Cities and towns	7,535 01	
Individuals	1,402 21	
Subsidy	1,068 55	
Middlesex County Commissioners	3,037 46	
Trustees of Tuberculosis Hospital, District of Chelsea, Revere, and Winthrop	8,827 76	
		\$29,752 49
School Dentist		\$982 60

VITAL STATISTICS

DEATH RATE PER 1,000 LIVING FOR ALL CAUSES
POPULATION 114,123 JULY 1, 1931

1922	1923	1924	1925	1926	1927	1928	1929	1930	1931
13.17	13.69	12.82	11.88	12.15	11.26	11.83	11.19	11.86	11.93
12.82	13.28	12.07	11.90	11.95	11.04	11.43	10.89	11.20	11.04

The upper row gives the death rate of all deaths in Cambridge; that is, it includes the non-residents that died in the City, but excludes Cambridge residents who died outside the City. The lower row of rates includes Cambridge residents who died outside the City, and excludes non-residents who died in Cambridge.

The figures given for population are estimated by the method adopted by the Bureau of Census. The mean annual death rate for ten years, 1922 to 1931, inclusive, is 12.17. This includes non-residents who died in the City. The mean annual death rate, excluding non-residents, but including Cambridge residents who died outside the City, is 11.75.

Table A gives causes of death by ages, in accordance with the International Classification of Causes of Deaths, of those persons who died in Cambridge, and includes non-residents.

Table B gives number of cases reported, the morbidity per 100,000 living, death rate per 100,000 living, including residents who died outside the City, and death rate per 100 cases reported of diphtheria, scarlet fever and typhoid fever for the years 1922 to 1931, inclusive. If death rates per 100,000 living, computed from deaths in the City only, vary from that given in the table, the fact is stated in footnote.

Table C gives the death rates per 100,000 living for cancer, diarrheal diseases, whooping cough, bronchitis, pneumonia, and tuberculosis, for the years 1922 to 1931, inclusive. In this table the upper part is that derived from the number of deaths of Cambridge residents who died within or without the City. Non-residents in Cambridge are excluded. The lower number is derived from the actual number of deaths in the City and includes

non-residents but excludes Cambridge residents who died outside of Cambridge.

Table D gives the morbidity reports by weeks.

Table E gives the morbidity reports by month and by ward.

Table F gives morbidity distribution by diseases, sex, and age group.

Table G gives morbidity, population and area, by ward, for entire year.

Table H gives mortality (all causes) by month and by ward.

Table I gives diphtheria morbidity, by months, for a decade.

TABLE A — Continued

[illegible]

CAUSES OF DEATH

XVII. Violent and Accidental Deaths (Continued)

- 180. Conflagration.....
- 181. Accidental burns (conflagration excepted)....
- 182. Accidental mechanical suffocation.....
- 183. Accidental drowning.....
- 184. Accidental traumatism by firearms (wounds of war excepted).....
- 185. Accidental traumatism by cutting or piercing instruments (wounds of war excepted).....
- 186. Accidental traumatism by fall, crushing, landslide: (a) Accidental traumatism by fall..... (b) Accidental traumatism by crushing, landslide.....
- 187. Cataclysm (all deaths attributed to a cataclysm, regardless of their nature).....
- 188. Injuries by animals.....
- 189. Hunger and thirst.....
- 190. Excessive cold.....
- 191. Excessive heat.....
- 192. Lightning.....
- 193. Accidents due to electric currents.....
- 194. Other accidents: (a) Foreign bodies..... (b) Others under this title.....
- 195. Violent deaths of which the nature (accident, suicide, homicide) is unknown.....
- 196. Wounds of war.....
- 197. Execution of civilians by belligerent armies.....
- 198. Legal executions.....

XVIII. Ill-defined Causes of Death

- 199. Sudden death.....
- 200. Cause of death not specified or ill-defined: (a) Ill-defined..... (b) Not specified or unknown.....
- 207. Railroad accident.....
- 209. Electric car accident.....
- 210. Automobile accident.....

TOTALS.....
Stillbirths.....

Total Cambridge deaths outside City..... 229

	Under 1		1 to 2		2 to 3		3 to 4		4 to 5		Total 5		6 to 9		10 to 14		15 to 19		20 to 29		30 to 39		40 to 49		50 to 59		60 to 69		70 to 79		80 to 89		90 and Over		Total 95 and Over		Total	
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F				
180. Conflagration.....																																					1	
181. Accidental burns (conflagration excepted)....		1				1				2										1																1	6	
182. Accidental mechanical suffocation.....																																					1	2
183. Accidental drowning.....		1																																			5	5
184. Accidental traumatism by firearms (wounds of war excepted).....																																						
185. Accidental traumatism by cutting or piercing instruments (wounds of war excepted).....																																						
186. Accidental traumatism by fall, crushing, landslide: (a) Accidental traumatism by fall..... (b) Accidental traumatism by crushing, landslide.....																																						
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200. Cause of death not specified or ill-defined: (a) Ill-defined..... (b) Not specified or unknown.....																																						
207. Railroad accident.....																																					1	
209. Electric car accident.....																																					1	
210. Automobile accident.....																																					1	
TOTALS.....	73	56	6	4	5	1	4	6	1	3	89	70	8	8	7	6	16	11	27	34	36	53	68	43	100	89	152	142	126	60	72	5	21	600	605	1364		
Stillbirths.....	41	39									41	39																									80	

Non-residents died in Cambridge (including stillbirths)..... 346

TABLE B

	1922	1923	1924	1925	1926	1927	1928	1929	1930	1931
Diphtheria										
	Number of cases reported.....	206	257	236	168	51	151	246	141	53
	Morbidity per 100,000 living...	185	230	210	139	41.8	122	196	110	43.8
	Death rate per 100,000 living..	13.5	16.1	16.9	14.1	2.4	4.85	21.45	3.93	4.38
	Case death rate, percentage....	7.28	4.28	8.05	10.12	5.87	3.90	10.97	3.54	9.44
Scarlet Fever										
	Number of cases reported.....	285	508	556	220	330	482	278	178	514
	Morbidity per 100,000 living...	256	456	490	183	273	389	221	140	452
	Death rate per 100,000 living..	0.3	0.4	0.6	0.4	3.3	3.21	2.39	0.00	1.75
	Case death rate, percentage....	1.40	.984	1.25	2.27	1.21	0.829	1.07	0.00	3.87
Measles										
	Number of cases reported.....	1,491	1,158	764	1,381	721	504	2,085	501	408
	Morbidity per 100,000 living...	1,343	1,039	689.2	1,149	596	407	166	291	361
	Death rate per 100,000 living..	9.0	60.2	0.2	9.9	2.4	3.21	8.78	7.82	.876
	Case death rate, percentage....	0.670	0.577	0.392	1.01	0.416	0.793	.527	.198	.002
Typhoid Fever										
	Number of cases reported.....	16	15	16	16	17	7	4	11	6
	Morbidity per 100,000 living...	14.4	13.4	14.2	13.3	13.9	5.66	3.18	8.65	5.25
	Death rate per 100,000 living..	0.9	3.6	4.5	1.6	4.9	0.8	1.58	1.57	0.00
	Case death rate, percentage....	6.25	26.6	33.3	12.50	35.29	14.28	50	18.18	0.00

The death rate, per 100,000, for those dying in Cambridge in 1931 was, for diphtheria, .876; scarlet, .876.

(per 100,000)

	1922	1923	1924	1925	1926	1927	1928	1929	1930	1931
Cancer.....	129.0 148.0	130.0 152.0	123.0 149.0	107.0 124.0	109.0 130.0	112.0 131.0	106.0 122.0	111.0 114.0	134.5 158.2	120.9 138.4
Diarrheal Diseases.....	36.0 31.5	10.7 10.7	8.9 8.9	12.4 13.3	21.3 16.3	9.7 7.2	11.16 9.17	9.43 9.43	7.92 6.15	1.75 4.38
Whooping Cough.....	5.4 5.4	1.6 1.4	0.1 0.7	4.9 4.9	16.3 13.9	4.0 3.2	6.38 5.58	6.29 6.29	7.03 3.51	3.50 3.50
Heart Diseases.....	184.3	200.2	208.1	159.8	177.1	142.4	185.0	156.5	162.6	227.8
Pneumonia.....	182.0 173.0	180.0 175.0	109.0 109.0	153.0 153.0	128.0 137.0	127.0 121.0	149.0 139.0	153.0 148.0	145.0 129.3	114.7 116.5
Pulmonary Tuberculosis.....	81.2 109.0	70.8 101.0	90.5 105.0	65.7 74.9	71.3 79.6	75.2 79.2	76.5 85.3	62.1 76.3	61.55 61.54	67.47 60.46

In this table the upper number is that derived from the number of deaths of Cambridge residents who died within or without the City. Non-residents dying in Cambridge are excluded.
The lower number is derived from the actual number of deaths in the City and includes non-residents, but excludes Cambridge residents who died outside of Cambridge.

TABLE D

Week Ending	Diphtheria	Scarlet Fever	Measles	Chicken Pox	Whooping Cough	German Measles	Mumps	Typhoid Fever	Pulmonary Tuberculosis	Hilum Tuberculosis	Other Forms of Tuberculosis	Lobar Pneumonia	Cerebrospinal Meningitis	Ophthalmia Neonatorum	Suppurative Conjunctivitis	Septic Sore Throat	Influenza	Trachoma	Anterior Poliomyelitis	Dog Bite	Encephalitis Lethargica	Trichinosis	Bacillary Dysentery	Hookworm Disease	Totals
January 3	1	8	1	5	4	0	0	0	1	0	0	2	0	0	0	1	0	0	0	0	3	0	0	0	26
10	1	13	2	19	9	0	0	0	1	0	1	1	0	0	0	0	1	0	0	0	4	0	0	0	36
17	1	14	2	34	21	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	6	0	0	0	56
24	1	14	2	27	21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	0	63
31	2	19	5	27	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	0	71
February 7	1	9	10	24	15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	125
14	1	10	8	14	6	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	0	81
21	0	14	15	11	6	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	62
28	0	8	9	10	6	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	75
March 7	0	7	8	11	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	42
14	0	22	1	9	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	57
21	0	13	6	25	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	0	65
28	0	7	9	12	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	0	54
April 4	0	6	8	5	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	0	43
11	0	10	9	21	5	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	0	63
18	0	13	12	12	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	0	0	0	70
25	0	6	12	23	9	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	0	0	0	89
May 2	2	8	23	10	5	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	0	0	0	92
9	2	14	31	12	6	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	0	0	0	109
16	2	15	27	25	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10	0	0	0	96
23	0	10	19	16	2	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	0	0	0	96
30	0	13	20	20	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12	0	0	0	79
June 6	0	3	14	13	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12	0	0	0	86
13	0	2	17	8	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13	0	0	0	69
20	2	9	32	35	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13	0	0	0	112
27	2	4	8	12	6	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13	0	0	0	122

TABLE D — Continued

	Diphtheria	Scarlet Fever	Measles	Chicken Pox	Whooping Cough	German Measles	Mumps	Typhoid Fever	Pulmonary Tuberculosis	Hilum Tuberculosis	Other Forms of Tuberculosis	Lobar Pneumonia	Cerebrospinal Meningitis	Ophthalmia Neonatorum	Suppurative Conjunctivitis	Septic Sore Throat	Influenza	Trachoma	Anterior Poliomyelitis	Dog Bite	Encephalitis Lethargica	Trichinosis	Bacillary Dysentery	Hookworm Disease	Totals
Week Ending																									
July	4	2	25	13	2	1	4	0	0	0	0	1	0	0	0	1	0	0	0	0	10	0	0	0	57
	11	4	12	6	1	0	4	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	44
	18	2	6	8	1	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	33
August	25	4	6	0	1	0	4	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	36
	1	5	1	1	1	0	1	1	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	28
	8	5	2	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	35
	15	3	0	1	3	1	1	0	1	2	1	0	0	0	0	0	0	0	0	2	9	0	0	0	30
September	22	0	0	5	6	1	5	0	0	0	1	0	0	0	0	0	0	0	0	10	2	0	0	0	30
	29	2	0	1	4	0	1	0	1	0	1	0	0	0	0	0	0	0	0	6	9	0	0	0	33
	5	0	1	0	1	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	24
	12	7	0	3	1	1	1	0	0	0	0	1	0	0	0	0	0	0	0	6	6	0	0	0	18
	19	0	0	3	1	1	2	0	0	0	0	0	0	1	0	0	0	0	0	9	9	0	0	0	23
October	26	4	1	3	5	2	1	0	0	0	0	0	0	0	1	0	0	0	0	5	6	0	0	0	34
	3	8	1	0	6	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	28
	10	15	1	3	5	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	47
	17	9	1	0	6	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	49
November	31	7	1	4	9	0	5	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	0	0	56
	7	14	0	3	16	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	65
	14	14	0	0	17	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	76
	21	20	2	0	13	1	4	0	0	0	0	0	0	0	0	0	0	0	0	10	0	0	0	0	69
December	28	14	4	13	16	0	4	1	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	96
	5	24	1	14	11	0	4	0	0	0	0	0	0	0	0	0	0	0	0	3	3	0	0	0	69
	12	17	4	14	11	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	96
	19	15	4	30	16	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	55
	26	19	1	4	14	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	62
27-31	3	18	3	12	7	0	8	0	1	0	0	5	0	0	0	0	0	0	0	6	3	0	0	0	62
Totals....	53	514	408	565	322	45	267	6	148	25	25	214	3	9	10	19	97	2	21	316	2	0	2	1	3064

TABLE E

Ward	1931 Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
DIPHTHERIA													
1	1	0	0	1	1	0	0	0	0	0	3	2	8
2	1	2	0	0	0	1	1	0	1	0	1	4	11
3	0	0	0	0	0	1	0	0	0	1	0	5	7
4	0	0	0	0	0	0	0	0	0	0	1	1	2
5	0	0	0	0	1	1	0	0	0	0	2	0	4
6	0	0	0	1	0	0	0	0	0	0	0	4	5
7	0	0	0	1	0	0	0	0	0	0	0	0	1
8	0	0	0	0	0	0	0	0	0	0	0	0	0
9	1	0	0	0	1	0	0	0	0	0	0	2	4
10	3	0	0	1	0	1	0	0	0	0	0	1	6
11	1	0	0	0	1	0	0	1	0	0	0	2	5
Total	7	2	0	4	4	4	1	1	1	1	7	21	53
SCARLET FEVER													
1	8	3	8	7	15	4	2	4	0	1	3	2	57
2	7	1	0	3	7	3	3	3	4	6	4	11	52
3	7	4	4	1	5	2	2	0	1	7	5	10	48
4	0	0	1	2	4	1	0	0	1	8	11	0	28
5	2	2	2	5	3	1	3	0	1	6	12	10	47
6	4	4	1	0	0	1	0	0	2	5	10	16	43
7	5	3	2	2	5	0	3	5	0	2	9	4	40
8	5	1	5	6	3	1	1	0	0	0	2	6	30
9	16	6	10	6	4	2	0	0	0	1	0	5	50
10	12	10	13	5	6	4	4	2	2	5	8	15	86
11	2	7	7	0	2	0	0	1	2	0	3	9	33
Total	68	41	53	37	54	19	18	15	13	41	67	88	514
MUMPS													
1	0	1	3	0	0	0	1	4	0	1	0	0	10
2	0	0	0	0	0	2	6	0	0	2	4	0	14
3	2	0	2	6	4	1	2	0	0	0	1	0	18
4	1	2	2	2	9	0	0	1	0	0	0	0	17
5	0	1	0	2	12	2	0	0	0	0	3	3	23
6	0	2	0	1	4	0	0	0	1	0	0	2	10
7	0	1	2	2	10	4	0	0	0	2	4	2	27
8	1	0	0	0	2	8	0	3	0	0	1	0	15
9	1	0	2	0	3	3	0	0	1	1	5	16	32
10	1	0	3	8	4	19	4	0	0	0	2	1	42
11	1	1	8	5	26	8	6	0	1	0	2	1	59
Total	7	8	22	26	74	47	19	8	3	6	22	25	267
GERMAN MEASLES													
1	0	1	0	1	1	0	0	0	1	0	0	0	4
2	0	0	0	0	1	0	0	0	0	1	0	0	2
3	0	0	0	1	0	0	0	0	0	0	0	0	1
4	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	1	1	0	1	0	0	0	0	3
6	0	0	0	0	0	0	0	1	0	0	1	0	2
7	1	0	1	0	1	0	0	0	0	1	0	0	4
8	0	2	3	1	2	0	0	0	0	0	0	0	8
9	0	1	4	4	5	1	0	0	0	1	0	0	16
10	0	0	1	1	0	1	0	0	0	0	0	0	3
11	0	0	0	0	0	0	0	0	1	1	0	0	2
Total	1	4	9	8	11	3	0	2	2	4	1	0	45

TABLE E — Continued

Ward	1931 Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
MEASLES	1	0	0	3	5	24	4	6	1	1	1	9	55
	2	3	6	4	3	4	19	11	0	1	0	0	51
	3	2	1	3	4	8	4	5	1	0	1	0	29
	4	1	2	1	3	0	2	0	1	0	0	1	11
	5	6	22	6	7	8	12	11	0	0	2	0	74
	6	2	5	5	29	14	6	1	0	1	1	1	65
	7	0	1	0	2	3	1	0	0	0	0	0	7
	8	0	0	0	0	1	2	0	0	0	0	1	4
	9	1	1	3	17	30	30	7	0	0	1	0	90
	10	0	0	1	1	6	5	1	0	0	0	0	14
	11	0	4	0	1	0	1	0	0	1	0	1	8
Total	15	42	26	72	98	86	42	3	1	4	6	13	408
CHICKEN POX	1	1	11	4	8	6	4	2	0	3	0	6	46
	2	1	1	3	4	5	2	1	0	0	7	24	48
	3	1	1	3	4	0	1	0	0	1	3	3	17
	4	0	0	1	1	2	6	0	1	1	1	3	16
	5	7	7	21	31	21	21	2	0	1	4	22	141
	6	4	3	10	7	19	36	13	4	2	1	3	102
	7	8	0	1	3	0	2	2	1	0	1	3	21
	8	2	4	3	1	0	0	1	0	0	0	3	14
	9	54	24	10	4	0	1	1	0	1	0	1	96
	10	14	8	3	0	4	5	1	0	0	4	4	43
	11	2	0	0	6	9	1	1	1	0	0	0	21
Total	94	59	59	69	66	79	24	7	7	7	22	72	565
WHOPING COUGH	1	10	8	7	2	0	1	3	3	3	2	6	47
	2	2	1	1	0	0	0	1	4	4	5	1	28
	3	2	0	0	0	0	0	1	2	1	2	3	14
	4	6	3	0	0	0	4	0	0	0	3	4	25
	5	4	0	5	0	0	0	0	2	0	0	1	12
	6	4	0	3	4	0	0	3	1	0	0	0	21
	7	8	1	9	3	3	0	0	0	3	1	5	29
	8	3	0	1	5	2	0	0	0	1	3	5	20
	9	4	1	0	0	0	1	2	8	0	4	12	59
	10	7	4	0	1	2	5	0	0	1	0	11	36
	11	1	1	5	3	11	0	3	3	1	0	1	31
Total	51	19	31	18	18	11	13	23	10	22	46	60	322
PULMONARY TUBERCULOSIS	1	2	2	3	1	2	1	2	1	3	2	1	22
	2	2	3	4	2	4	3	4	0	0	3	0	29
	3	0	3	3	0	2	2	1	0	0	0	1	13
	4	2	2	0	1	2	1	0	0	2	0	0	10
	5	0	3	0	0	0	3	1	1	1	0	0	9
	6	0	2	1	3	1	2	0	2	1	2	1	16
	7	3	1	0	0	1	0	1	0	1	3	0	10
	8	3	0	1	2	0	1	0	0	0	1	0	8
	9	0	1	0	0	3	2	1	1	0	0	2	12
	10	0	1	2	0	0	1	0	1	0	0	1	7
	11	0	0	1	1	2	3	0	0	1	1	2	12
Total	12	18	15	10	17	19	11	7	7	12	12	8	148

TABLE E — Continued

Ward		1931 Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
HILUM TUBERCULOSIS	1	0	0	2	3	4	0	0	1	0	1	0	0	11
	2	0	0	0	0	0	0	0	2	0	1	0	0	3
	3	0	0	0	0	2	0	0	0	0	0	0	0	2
	4	0	0	0	0	0	0	0	0	1	0	0	0	1
	5	0	0	0	0	1	1	0	0	0	0	0	0	2
	6	0	0	0	0	1	0	0	0	0	1	0	0	2
	7	0	0	0	0	0	0	0	0	0	0	0	0	0
	8	0	0	0	1	0	0	0	0	0	0	0	0	1
	9	0	0	0	0	0	2	0	0	0	0	0	0	2
	10	0	0	0	0	0	1	0	0	0	0	0	0	1
	11	0	0	0	0	0	0	0	0	0	0	0	0	0
Total		0	0	2	4	8	4	0	3	1	3	0	0	25
TUBERCULOSIS OTHER FORMS	1	1	0	1	0	1	0	0	1	0	0	0	1	5
	2	0	0	1	0	0	2	0	0	1	0	0	0	4
	3	0	0	1	0	0	0	0	0	0	0	0	0	1
	4	1	0	0	0	0	0	0	0	0	0	0	0	1
	5	0	0	0	0	0	0	0	0	1	0	0	0	1
	6	1	1	0	0	1	0	0	0	1	0	0	0	4
	7	0	0	0	1	0	0	0	0	0	0	1	0	2
	8	1	0	0	0	0	0	0	0	0	0	0	0	1
	9	0	0	0	0	0	0	0	1	0	0	0	0	1
	10	0	0	1	0	0	0	1	1	0	0	0	0	3
	11	0	0	0	0	0	0	1	0	0	0	0	1	2
Total		4	1	4	1	2	2	2	3	3	0	1	2	25
LOBAR PNEUMONIA	1	8	4	4	4	6	5	1	1	2	3	6	7	51
	2	7	6	1	3	2	2	0	1	0	0	2	3	27
	3	3	4	1	4	0	1	0	2	0	0	2	2	19
	4	0	2	0	0	0	1	0	0	0	2	1	2	8
	5	0	1	0	4	2	0	2	0	0	4	1	1	15
	6	2	3	3	5	3	2	1	0	1	2	2	5	29
	7	3	0	2	1	0	1	0	0	0	2	0	0	9
	8	1	1	1	2	1	0	0	0	0	0	0	0	6
	9	2	2	1	3	3	0	1	0	0	1	1	2	16
	10	4	3	1	3	0	1	0	0	0	1	2	7	22
	11	1	2	0	0	2	1	1	0	0	1	1	3	12
Total		31	28	14	29	19	14	6	4	3	16	18	32	214
INFLUENZA	1	15	7	0	0	2	0	0	0	0	1	0	0	25
	2	8	2	0	0	0	0	0	0	0	0	1	0	11
	3	6	1	1	2	3	0	0	0	0	0	0	1	14
	4	3	3	1	1	0	0	0	0	0	0	0	0	8
	5	5	2	0	0	0	0	0	0	0	0	0	0	7
	6	3	2	0	0	0	0	0	0	0	0	0	0	5
	7	5	1	0	0	0	0	0	0	0	1	0	1	8
	8	2	1	0	0	0	0	0	0	0	0	0	0	3
	9	3	7	0	0	0	0	0	0	0	0	0	0	10
	10	3	1	0	1	0	0	0	0	0	0	0	0	5
	11	0	1	0	0	0	0	0	0	0	0	0	0	1
Total		53	28	2	4	5	0	0	0	0	2	1	2	97

TABLE E—Continued

Ward	1931 Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
OPHTHALMIA NEONATORUM													
1	0	0	0	0	0	1	0	0	1	0	0	0	2
2	0	0	0	0	0	0	0	0	0	0	0	0	0
3	1	0	0	0	0	0	0	0	0	0	0	0	1
4	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	2	0	0	0	0	0	1	0	0	0	0	3
6	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	1	0	0	0	0	1
9	0	0	0	0	0	0	0	0	0	0	0	0	0
10	1	0	0	0	0	0	0	1	0	0	0	0	2
11	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	2	2	0	0	0	1	0	3	1	0	0	0	9
SUPPURATIVE CONJUNCTIVITIS													
1	0	0	1	0	1	0	0	0	0	0	0	0	2
2	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	1	0	0	0	0	0	0	0	0	0	0	1
5	0	0	0	0	0	0	0	0	0	0	1	0	1
6	0	1	0	0	0	0	0	0	0	0	0	0	1
7	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	1	0	0	0	1	0	0	0	2
9	1	0	1	1	0	0	0	0	0	0	0	0	3
10	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	1	2	2	1	2	0	0	0	1	0	1	0	10
ANTERIOR POLIOMYELITIS													
1	0	0	0	0	0	0	0	1	1	1	0	0	3
2	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	1	0	0	0	1
5	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	2	1	0	0	0	3
7	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	1	1	1	1	0	4
9	0	0	0	0	0	0	0	0	2	1	0	0	3
10	0	0	0	0	0	0	0	2	0	1	0	0	3
11	0	0	0	0	0	0	1	1	1	0	1	0	4
Total	0	0	0	0	0	0	1	7	7	4	2	0	21
CEREBRO- SPINAL MENINGITIS													
1	0	0	0	0	0	0	0	0	1	0	0	0	1
2	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	1	0	1
4	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	1	0	0	1
Total	0	0	0	0	0	0	0	0	1	1	1	0	3

TABLE E — Continued

Ward		1931 Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
SEPTIC SORE THROAT	1	0	0	0	1	0	1	0	0	0	0	0	0	2
	2	0	0	0	0	0	0	0	0	0	0	0	0	0
	3	0	0	0	0	0	0	0	1	0	0	0	0	1
	4	0	0	0	0	0	0	0	1	0	0	0	0	1
	5	0	0	0	0	0	0	1	0	0	0	0	0	1
	6	0	0	0	0	0	0	0	0	0	0	0	0	0
	7	1	1	0	0	0	0	0	0	0	0	0	0	2
	8	0	0	0	0	0	0	0	0	0	0	0	0	0
	9	0	0	0	0	0	0	0	0	0	0	0	0	0
	10	0	0	0	0	0	0	0	0	0	0	0	1	1
	11	0	0	0	0	0	0	0	0	1	0	0	0	1
Total		1	1	0	1	0	1	1	2	1	0	0	1	9
TYPHOID FEVER	1	0	0	0	0	1	0	0	0	0	0	0	0	1
	2	0	0	0	0	0	0	0	0	0	0	0	0	0
	3	0	0	0	0	0	0	0	0	0	1	0	0	1
	4	0	0	0	0	0	0	0	0	0	0	0	0	0
	5	0	0	0	0	0	0	0	0	0	0	0	0	0
	6	0	0	0	0	0	0	0	0	0	0	0	1	1
	7	0	0	0	0	0	0	0	0	0	0	0	0	0
	8	0	0	0	0	0	0	0	0	0	1	0	0	1
	9	0	0	0	0	0	0	0	0	0	1	0	0	1
	10	0	0	0	0	0	0	0	0	0	0	0	0	0
	11	0	0	0	0	0	0	0	1	0	0	0	0	1
Total		0	0	0	0	1	0	0	1	0	3	0	1	6
DOG BITE	1	6	1	6	4	7	13	5	4	4	1	4	1	56
	2	3	1	1	2	3	3	2	6	5	4	3	2	35
	3	2	0	0	3	6	6	1	1	2	1	3	4	29
	4	2	0	2	2	1	2	2	4	3	2	2	2	24
	5	1	2	2	4	3	5	5	2	2	4	0	1	31
	6	3	1	1	0	2	5	6	1	3	1	2	3	28
	7	2	0	2	0	3	0	1	2	3	3	1	0	17
	8	0	0	1	2	5	4	0	1	0	1	0	0	14
	9	2	3	2	1	3	4	5	2	5	4	3	1	35
	10	1	1	1	2	1	1	3	4	1	4	1	4	24
	11	0	1	2	1	0	4	34	0	6	1	1	3	23
Total		22	10	20	21	34	47	34	27	34	26	20	21	316
TRACHOMA	1	0	0	0	0	0	0	0	0	0	0	0	0	0
	2	0	0	0	0	0	0	0	0	0	0	0	0	0
	3	0	1	0	0	0	0	0	0	0	0	0	0	1
	4	0	0	0	0	0	0	0	0	0	0	0	0	0
	5	0	0	0	0	0	0	1	0	0	0	0	0	1
	6	0	0	0	0	0	0	0	0	0	0	0	0	0
	7	0	0	0	0	0	0	0	0	0	0	0	0	0
	8	0	0	0	0	0	0	0	0	0	0	0	0	0
	9	0	0	0	0	0	0	0	0	0	0	0	0	0
	10	0	0	0	0	0	0	0	0	0	0	0	0	0
	11	0	0	0	0	0	0	0	0	0	0	0	0	0
Total		0	1	0	0	0	0	1	0	0	0	0	0	2

TABLE E — Continued

[illegible]

TABLE F

MORBIDITY DISTRIBUTION		Under 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 10	10 to 15	15 to 20	20 to 30	30 to 40	40 to 50	50 to 60	60 to 70	70 to 80	80 to 90	Over 90
Diphtheria	M	0	1	2	5	2	7	2	2	1	0	0	0	0	0	0	0
	F	0	1	0	4	3	13	5	1	2	1	1	0	0	0	0	0
	P	0	2	2	9	5	20	7	3	3	1	1	0	0	0	0	0
Scarlet Fever	M	0	6	12	18	21	115	32	8	17	7	0	0	0	0	0	0
	F	0	4	10	17	29	115	56	19	13	10	3	1	1	0	0	0
	P	0	10	22	35	50	230	88	27	30	17	3	1	1	0	0	0
German Measles	M	2	3	0	0	1	4	2	5	6	1	0	0	0	0	0	0
	F	0	2	1	1	1	3	4	7	1	1	0	0	0	0	0	0
	P	2	5	1	1	2	7	6	12	7	2	0	0	0	0	0	0
Chicken Pox	M	21	13	20	23	31	164	12	2	3	1	0	0	1	0	0	0
	F	7	16	13	27	36	143	24	2	4	1	1	0	0	0	0	0
	P	28	29	33	50	67	307	26	4	7	2	1	0	1	0	0	0
Whooping Cough	M	7	14	16	12	20	62	7	0	0	0	1	0	0	0	0	0
	F	13	21	24	15	23	77	8	0	1	1	0	0	0	0	0	0
	P	20	35	40	27	43	139	15	0	1	1	1	0	0	0	0	0
Mumps	M	2	3	2	6	11	91	14	2	3	4	0	1	0	0	0	0
	F	1	2	3	2	8	80	15	8	4	5	0	0	0	0	0	0
	P	3	5	5	8	19	171	29	10	7	9	0	1	0	0	0	0
Lobar Pneumonia	M	6	5	2	6	4	16	4	7	14	20	9	12	5	5	1	0
	F	6	4	5	3	2	15	4	3	11	17	9	7	5	5	1	1
	P	12	9	7	9	6	31	8	10	25	37	18	19	10	10	2	1
Measles	M	9	11	22	14	32	105	7	1	5	1	0	1	0	0	0	0
	F	9	11	18	24	27	87	9	4	7	3	0	1	0	0	0	0
	P	18	22	40	38	59	192	16	5	12	4	0	2	0	0	0	0
Influenza	M	1	1	2	0	3	2	2	2	6	7	9	5	2	2	0	0
	F	0	0	2	0	1	8	2	5	9	11	3	6	2	4	0	0
	P	1	1	4	0	4	10	4	7	15	18	12	11	4	6	0	0
Pulmonary Tuberculosis	M	0	0	0	0	0	1	2	7	25	25	15	8	4	0	0	0
	F	0	0	0	0	0	2	3	8	23	16	7	1	1	0	0	0
	P	0	0	0	0	0	3	5	15	48	41	22	9	5	0	0	0
Hilum Tuberculosis	M	0	0	0	1	1	2	6	1	0	0	0	0	0	0	0	0
	F	0	0	0	0	0	12	2	0	0	0	0	0	0	0	0	0
	P	0	0	0	1	1	14	8	1	0	0	0	0	0	0	0	0
Tuberculosis Other Forms	M	0	0	1	0	0	1	0	2	3	1	1	0	1	0	0	0
	F	0	1	0	0	0	1	2	4	4	1	2	0	0	0	0	0
	P	0	1	1	0	0	2	2	6	7	2	3	0	1	0	0	0
Typhoid Fever	M	0	0	0	0	0	0	1	1	0	0	3	0	0	0	0	0
	F	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
	P	0	0	0	0	0	0	1	1	0	1	3	0	0	0	0	0
Anterior Poliomyelitis	M	0	0	1	1	2	5	1	3	1	0	0	0	0	0	0	0
	F	0	1	0	0	0	1	3	2	0	0	0	0	0	0	0	0
	P	0	1	1	1	2	6	4	5	1	0	0	0	0	0	0	0
Cerebrospinal Meningitis	M	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0
	F	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
	P	0	0	0	1	0	2	0	0	0	0	0	0	0	0	0	0
Suppurative Conjunctivitis	M	2	0	0	0	1	0	0	1	2	1	0	0	0	0	0	0
	F	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0
	P	3	1	0	1	1	0	0	1	2	1	0	0	0	0	0	0
Ophthalmia Neonatorum	M	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	F	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	P	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

TABLE F — *Concluded*

MORBIDITY DISTRIBUTION		Under 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 10	10 to 15	15 to 20	20 to 30	30 to 40	40 to 50	50 to 60	60 to 70	70 to 80	80 to 90	Over 90	Total
Pharyngeal Throat	M	0	0	1	0	0	2	0	0	1	0	0	0	1	0	0	0	5
	F	0	0	0	0	0	0	2	0	1	1	0	0	0	0	0	0	4
	P	0	0	1	0	0	2	2	0	2	1	0	0	1	0	0	0	9
Bite	M	0	0	6	5	7	57	45	22	23	20	13	6	3	2	0	0	209
	F	1	1	5	4	3	25	19	3	16	11	10	6	4	0	0	0	104
	P	1	1	11	9	9	82	64	25	39	31	23	12	7	2	0	0	316
Tuberculosis	M	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	F	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	2
	P	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	2
Tonsillitis	M	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	F	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	2
	P	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	2
Diphtheria	M	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	F	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	P	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Scarlet Fever	M	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	2
	F	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	P	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	2
Typhoid	M	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1
	F	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	P	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1

TABLE G
DISEASES BY WARDS FOR YEAR, ALSO DENSITY OF POPULATION

Wards.....	1	2	3	4	5	6	7	8	9	10	11	Totals
Population.....	17,088	12,736	8,988	8,813	9,531	9,267	8,436	6,884	11,270	10,079	10,647	113,739
Area (acres).....	421.3	405.9	122.4	158.1	320.4	205.2	300.9	267.5	904.7	554.2	519.6	4180.6 (6.53 sq.mi.)
Density (per acre).....	41	31	73	56	30	45	28	25	12	18	21	
Diphtheria.....	8	11	7	2	4	5	1	0	4	6	5	53
Scarlet Fever.....	57	52	48	28	47	43	40	30	50	86	33	514
Mumps.....	10	14	18	17	23	10	27	15	32	42	59	267
German Measles.....	4	2	1	0	3	2	4	8	16	3	2	45
Measles.....	55	51	29	11	74	65	7	4	90	14	8	408
Chicken Pox.....	46	48	17	16	141	102	21	14	96	43	21	565
Whooping Cough.....	47	28	14	25	12	21	29	20	59	36	31	322
Pulmonary Tuberculosis.....	22	29	13	10	9	16	10	8	12	7	12	148
Hilum Tuberculosis.....	11	3	2	1	2	2	0	1	2	1	0	25
Other Forms of Tuberculosis	5	4	1	1	1	4	2	1	1	3	2	25
Lobar Pneumonia.....	51	27	19	8	15	29	9	6	16	22	12	214
Influenza.....	25	11	14	8	7	5	8	3	10	5	1	97
Ophthalmia Neonatorum...	2	0	1	0	3	0	0	1	0	2	0	9
Suppurative Conjunctivitis..	2	0	0	1	1	1	0	2	3	0	0	10
Anterior Poliomyelitis.....	3	0	0	1	0	3	0	4	3	3	4	21
Cerebrospinal Meningitis...	1	0	1	0	0	0	0	0	0	0	1	3
Typhoid Fever.....	1	0	1	0	0	1	0	1	1	0	1	6
Septic Sore Throat.....	2	0	1	1	1	0	2	0	0	1	1	9
Encephalitis Lethargica.....	0	1	0	0	0	0	0	0	0	1	0	2
Trachoma.....	0	0	1	0	1	0	0	0	0	0	0	2
Bacillary Dysentery.....	0	2	0	0	0	0	0	0	0	0	0	2
Hook Worm Disease.....	0	0	0	0	0	0	0	0	0	1	0	1
Dog Bite.....	56	35	29	24	31	28	17	14	35	24	23	316
Totals.....	358	318	217	174	375	337	177	132	430	330	216	3064

TABLE H
DEATHS BY MONTH AND WARD
(Including Stillbirths)

[illegible]

TABLE I
DIPHTHERIA (Morbidity, by Months)

Year	January	February	March	April	May	June	July	August	September	October	November	December	Total
1922	17	18	10	17	22	9	7	9	15	24	32	26	206
1923	24	18	23	29	19	8	13	19	17	26	32	29	257
1924	21	26	20	18	22	21	18	15	15	21	9	30	236
1925	37	24	10	22	13	11	9	14	8	4	8	8	168
1926	10	1	3	8	7	3	0	1	2	5	6	5	51
1927	3	6	4	8	9	26	8	6	21	13	18	29	151
1928	40	43	14	20	20	23	17	7	16	16	18	12	246
1929	23	14	15	7	3	9	7	13	6	10	15	19	141
1930	12	13	11	7	6	7	4	8	4	8	4	6	90
1931	7	2	0	4	4	4	1	1	1	1	7	21	53

DISEASES DANGEROUS TO THE PUBLIC HEALTH

DIPHTHERIA

The year 1931 saw a marked reduction in the number of cases from this disease. While in 1930 we had 90 cases reported, this year we had 53. There were five deaths. Two cases died two days after reporting; one, four days; one, five days; and the other, seven days. None of these children were immunized against diphtheria.

SCARLET FEVER

With exception of the year 1924, we had the largest number of cases of this disease reported in 1931, some 514. Throughout the year it was not confined to any one district, but visited each and every part of the City. The disease itself was of a very mild character, as we only had two deaths. The great number of cases I believe was due to contact and missed cases. The disease was so mild that parents would not call a physician or report the disease. Therefore, during the year we picked up a large number of children who came back to school and were found to be desquamating.

PULMONARY TUBERCULOSIS

While the death rate of those dying from this disease in Cambridge was still lowered, the rate of Cambridge residents who died within and without the City increased slightly. Sixty-nine deaths occurred in Cambridge; of this number, six were non-residents. Twenty-four Cambridge residents died outside the City.

TYPHOID FEVER

This is the first year to my knowledge that there has not been a death from typhoid. Six cases were reported; four of these had visited outside the City, in the south or in Canada. The other two cases had never left Cambridge, and no source could be traced.

MEASLES

There has been a tremendous drop in measles. In 1931 there were 408 cases reported, as compared to 1,414 reported in 1930. There was one death from this disease.

AUTOMOBILE ACCIDENTS

There was the same number of deaths from automobile accidents in 1931 as in 1930; namely, 28. Eight of these deaths were non-resident.

COMMUNICABLE DISEASE (CONTROL) NURSES

Old cases unreleased January 1, 1931	44
New cases for isolation	415
All cases released	416
Original inspections (including investigations)	5235
Number of cases to hospital	341
Subsequent visits	1498
Unreported cases discovered	674
Number of new cases	2768
Scarlet fever	487
Diphtheria	52
Septic sore throat	7
Measles	396
German measles	42
Chicken pox	540
Mumps	259
Whooping cough	304
Lobar pneumonia	206
Influenza	92
Influenza-meningitis	1
Infantile paralysis	20
Cerebrospinal meningitis	3
Tetanus	1
Sleeping sickness	1
Suppurative conjunctivitis	4
Trachoma	1
Bacillary dysentery	1
Hookworm	1
Syphilis	34
Gonorrhea	15
Typhoid fever	9
Dog bite	280
Dog scratch	1
Rabies	1
Rabid dog bite	4
Cat bite	2
Rat bite	4
Total number of calls	6733
Cases on visiting list, December 31, 1931	43

SOCIAL WORKER

The report of the Social Worker for the year ending December 31, 1931, is as follows:

Visits made during the year	1,552
Settlements determined (as listed below)	628
State cases	192
Cambridge cases	183
Other cities and towns	89
State Sanatorium applications	75
Out-of-town notices	89
Bills investigated and approved for payment from out-of-town Boards of Health	54
Bills investigated and disapproved for reason that families were financially able to pay	35
Concerts provided at the Tuberculosis Hospital	18

The department is grateful to the following organizations, firms, and individuals, for their continued contributions in a material way toward the comfort and pleasure of the patients at the Tuberculosis Hospital: Rev. Patrick H. Callanan; St. Peter's Dramatic Club, through the courtesy of Rev. Stephen Moran; St. Mary's Band, through the courtesy of Rev. E. Joseph Burke; St. Paul's Dramatic Club, through the courtesy of Rev. Daniel J. Golden; Dolan de Petro Theatrical Studio of Roxbury; Russell Howard; William Devereaux's Orchestra; Joseph Crossen of Hub Costume and Theatrical Company of Boston; Cambridge "Al" Smith Club; Fruit and Flower Mission; Miss Geraldine Murphy; Cambridge Tuberculosis Association; First Baptist Church of Cambridge; Councillor Thomas Gibson; Mr. Fred Lovejoy; Mrs. Frances Breed; Mrs. Raymond Calkins; Rev. Cuthbert Fowler; Mrs. J. L. Paine; Prof. and Mrs. J. H. Beale; Cambridge Lodge of Elks; Cambridge Police Association; Cantabrigia Club; H. P. Hood and Sons; J. B. Johnson Ice Cream Company; Mansion House Ice Cream Company; Hathaway Baking Company; George Close Candy Company; Potter's Confectionery Company; Foss Candy Company; New England Confectionery Company; Puritan Cake Company; Ward Baking Company; Ruth Evelyn Food Shop; Johnson Educator Company; Cambridge Public Market; Woolworth's Five and Ten Cent Store; Bushway Ice Cream Company; Nicco Ice Cream Company; Miss Delilah Fowler; Miss Maud Fowler; Mrs. Joseph B. Russell; Miss Gertrude Mooney; Epworth M. E. Church of Cambridge; Miss Clare Irvette Hutchins; Neapolitan Ice Cream Company; public school children under direction of Benedict Fitzgerald; Cambridge American Legion Band, and others whose names may be unintentionally omitted.

SCHICK CLINICS

(Diphtheria Immunization)

Total number of children visits to clinic.....		11,090
Total number of persons Schicked.....		2,245
Total number of persons read.....		2,259
Total number of persons finished T. A. T., three doses.....		2,141
Total number read (positive, first time).....		84
Total number read (negative, first time).....		157
Total number read (pseudo, first time).....		46
Total number Reschicked.....		1,972
Positive.....	199	
Negative.....	1,486	
Pseudo.....	287	
Total number of persons finished.....		4,117
Number 3 doses T. A. T.....	2,141	
Number negative, first time.....	157	
Number pseudo, first time.....	46	
Number Reschicked, negative and pseudo.....	1,773	
Negative.....	1,486	
Pseudo.....	287	
Total number of doses T. A. T. given.....		6,476
Total number of clinics held.....		313

During the summer months, as in former years, it is difficult to get parents or children interested in coming to the clinics. The pre-school child, the most important one to reach in my opinion, is still our big problem. We are not getting the response from this class that I would like to see.

The older school child wants to do what the rest of his classmates are doing, and so we get him, but the little tot is looked upon by the parent as being too young, and we do not get him until he comes to school. This, we know, is a mistake, and to have this work do its greatest good, we must devise means to reach the child in the home!

A detailed account of the Schick Clinics follows:

SCHICK CLINICS
(Showing Detail of Each Clinic)

	Finished	Toxin Anti-toxin	Schicked	Read	Readings			Clinics
					Positive	Negative	Pseudo	
City Hall.....	561	463	123	438	60	314	64	73
Roberts.....	69	152	11	12	1	6	5	6
St. Francis.....	51	70	36	36	5	29	2	8
St. Mary's.....	229	411	160	145	7	117	21	11
*Webster.....	10	38	...	...	...	...	...	3
*Harvard.....	32	111	8	6	1	5	...	5
French.....	257	521	94	96	10	62	24	9
St. John's.....	281	562	128	124	24	80	20	9
*Felton.....	7	33	25	2	2	...	..	3
Houghton.....	71	246	65	...	...	...	...	5
St. Hedwig's.....	97	77	80	80	8	54	18	6
Putnam.....	78	112	68	51	3	42	6	7
Sleeper.....	106	200	54	53	3	35	15	7
Wyman.....	22	38	10	10	3	7	..	6
*Morse (preschool)	...	10	...	...	..	...	..	1
*Morse.....	111	172	108	43	1	40	2	9
Kelley (preschool)	...	15	6	...	..	...	..	1
Kelley.....	158	177	85	96	6	83	7	12
Peabody.....	111	160	66	69	10	39	20	9
Abraham Lincoln.....	39	79	20	20	5	13	2	5
St. Paul's.....	64	194	85	...	..	...	...	5
Agassiz.....	16	12	...	17	1	11	5	1
Taylor.....	32	85	10	9	..	8	1	3
Thorndike.....	72	196	14	15	1	12	2	8
Sacred Heart.....	110	163	67	63	8	40	15	7
Russell.....	343	575	248	244	57	167	20	11
Haggerty.....	203	233	139	133	6	96	31	12
Neighborhood House.....	59	131	32	36	4	28	4	8
Rindge Field.....	2	11	2	...	...	...	...	4
Sunshine Camp.....	14	1	13	13	..	11	2	2
Lowell.....	39	63	16	16	1	14	1	10
Gannet.....	43	58	28	26	1	20	5	6
Longfellow.....	19	...	...	21	2	19	...	1
*Blessed Sacrament.....	45	126	69	5	..	5	..	8
St. Peter's.....	244	466	59	123	21	89	13	12
Wellington.....	207	240	166	163	16	127	20	10
Social Union.....	...	1	1	1	1	...	..	1
St. Vincent's.....	78	144	65	65	14	45	6	4
*Willard.....	102	264	126	56	2	50	4	4

* Interchange with City Hall.

INFANT WELFARE NURSES

The work of the division has been carried on as in former years.

Clinics were held at the following places:

Haggerty School, Cushing Street.....	Mondays,	2.30 p.m.-3.30 p.m.
Morse School, Brookline and Allston Streets.....	Mondays,	2.30 p.m.-4.00 p.m.
Putnam School, Fourth and Otis Streets.....	Tuesdays,	3.00 p.m.-4.00 p.m.
Sleeper School, Dudley Street.....	Wednesdays,	2.00 p.m.-4.00 p.m.
Kelley School, Willow Street.....	Thursdays,	2.30 p.m.-4.00 p.m.
Houghton School, Putnam Avenue and Magee Street.....	Fridays,	3.00 p.m.-4.00 p.m.
Agassiz School, Sacramento and Oxford Streets....	Fridays,	3.00 p.m.-4.00 p.m.

A detailed report of the work is submitted herewith; also infant mortality rate for past ten years; also mortality by age groups.

INFANT MORTALITY (UNDER ONE (1) YEAR)
(Per 1,000 live births)

	1922	1923	1924	1925	1926	1927	1928	1929	1930	1931
Number of births	3,400	3,434	3,678	3,438	3,416	2,910	2,813	2,665	2,606	2,476
Number of deaths	241	213	166	178	192	156	150	147	121	129
Rate.....	70	62	45	52	56	54	53	55	46	52

1931

Total number of deaths under one year.....	129
Number of deaths within first twenty-four hours.....	45
Number of deaths between twenty-four hours and one week.....	28
Number of deaths between one week and one month.....	11
Number of deaths between one month and one year.....	45
Total number of stillbirths.....	80

The division is grateful to the following doctors for their gratuitous services: Dr. Samuel Chalfen, Dr. Samuel A. Clement, Dr. A. Weidman, Dr. Frank Downey, Dr. James C. Healy, Dr. Myer Marlin, Dr. Maurice S. Duchin, Dr. Eugene Gorman, Dr. Waldo W. Robbins, and the various social agencies and private individuals for their coöperation and aid in this work.

* Previous to 1927 the City Clerk in his report has included number of Cambridge resident births outside the City, as well as non-residents in the City. This year only actual births in Cambridge are included.

ANNUAL REPORT OF INFANT WELFARE — 1931

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Home visits.....	526	521	734	679	758	566	599	590	557	742	816	731	7,819
New cases.....	73	62	78	71	102	66	98	79	58	122	121	135	1,065
Breast-fed.....	35	30	44	44	74	39	65	50	36	78	78	93	666
Bottle-fed.....	31	21	18	15	15	16	22	19	14	29	24	28	252
Breast and bottle-fed.....	7	11	16	12	13	11	11	10	8	15	19	14	147
Closed cases.....	39	56	61	49	77	41	81	73	91	100	108	113	889
Babies over one year.....	27	48	53	33	67	32	63	63	76	74	86	80	702
Moved.....	11	7	7	15	8	8	16	8	14	25	21	31	171
Died.....	1	1	1	1	2	1	2	2	1	1	1	2	16
Ophthalmia Neonatorum.....	1	1	0	0	1	1	0	0	0	0	0	0	4

Number of babies on visiting list, January 1, 1931..... 1,252
Number of babies on visiting list, January 1, 1932..... 1,428

CLINICS

	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Sleeper School:													
Number of clinics.....	4	4	4	5	4	3	5	4	5	4	3	5	50
Total attendance.....	184	146	124	245	173	133	214	151	252	199	140	200	2,161
New cases.....	14	12	7	28	17	8	21	9	21	18	7	23	185
Closed cases.....	10	2	0	0	1	0	0	0	0	0	0	0	13
Registered.....	2,063	2,073	2,080	2,108	2,124	2,132	2,153	2,162	2,183	2,201	2,208	2,231	2,231
Haggerty School:													
Number of clinics.....	4	3	5	3	4	5	4	5	3	3	5	3	47
Total attendance.....	20	7	43	18	21	36	41	43	35	41	51	13	369
New cases.....	3	0	8	1	2	8	10	3	4	1	5	0	45
Closed cases.....	0	0	0	0	0	1	0	0	0	0	0	0	1
Registered.....	439	439	447	448	450	458	467	469	473	474	479	479	479
Kelley School:													
Number of clinics.....	4	3	4	5	3	4	5	4	4	5	3	5	49
Total attendance.....	141	144	140	289	194	275	334	302	215	335	222	344	2,935
New cases.....	15	12	24	42	28	22	40	30	35	44	26	45	363
Closed cases.....	0	0	0	0	288	0	0	0	0	0	0	0	288
Registered.....	1,037	1,049	1,075	1,115	835	857	897	927	957	1,001	1,027	1,072	1,072
Putnam School:													
Number of clinics.....	4	4	3	4	4	4	3	4	5	4	4	5	48
Total attendance.....	67	72	60	42	60	64	65	82	105	94	94	110	915
New cases.....	10	9	10	6	9	8	6	14	22	10	18	21	143
Closed cases.....	0	0	0	7	0	0	0	0	0	0	0	0	7
Registered.....	495	504	514	501	510	518	524	538	560	570	588	609	609

[illegible]

Total number of clinics.....	345	Total number of new cases.....	1,074
Total attendance (visits).....	9,357	Total registered.....	6,853

CAMBRIDGE VISITING NURSING ASSOCIATION

(In Coöperation with Board of Health)

Station: Cambridge Neighborhood House, Harvard at Moore Street

Total Registration:		
Babies under one year	483	
Babies between one and two years	131	
	—	614
New cases:		
City babies	208	
Conference babies	334	
	—	542
Discharged:		
Completion of year of City Supervision	178	
Died	9	
Transferred to preschool file	338	
Number of Conferences		50
Total number attending, babies		3,674
Home visits, total		3,808
Cases referred to:		
Cambridge Welfare Union		31
Private physician		41
Hospital Clinics:		
Cambridge Hospital		29
Children's Hospital		19
Cambridge City Hospital		8
Massachusetts Eye and Ear		1
Waverley F. M.		1
Rainy Clinic days		21

DISPENSARY FOR TUBERCULOSIS

The total number of physical examinations was 1,740. This represents 781 persons. Of this number 367 were new cases.

These were divided, according to sex, as follows: males, 146; females, 221.

The youngest person examined was five months old; the oldest, 70 years. There were 222 children examined under the age of 15 years.

The relative ages of the new cases follow:

Under 15 years of age.....	222
Between 15 and 20 years of age.....	32
Between 20 and 30 years of age.....	39
Between 30 and 40 years of age.....	45
Between 40 and 50 years of age.....	21
Between 50 and 60 years of age.....	6
Between 60 and 70 years of age.....	1
Between 70 and 80 years of age.....	1

Diagnosis of new cases:

Positive cases.....	79
Arrested cases.....	12
Suspicious cases.....	72
Negative cases.....	170
Deferred cases.....	63
Total.....	396

(The twelve arrested cases are also classified in the number of positive cases. Seventeen cases of deferred diagnosis in previous report are classified in above tabulation.)

The clinical forms of tuberculosis were classified as follows:

Pulmonary tuberculosis.....	47
Hilum tuberculosis.....	29
Tubercular adenitis.....	2
Pulmonary and intestinal.....	1
Tuberculosis of ear.....	1

There were 39 suspicious cases under the age of 15 years.

Ages of the positive cases follow: .

	<i>No.</i>		<i>No.</i>		<i>No.</i>		<i>No.</i>	
	<i>Age</i>	<i>Cases</i>	<i>Age</i>	<i>Cases</i>	<i>Age</i>	<i>Cases</i>	<i>Age</i>	<i>Cases</i>
Under	1	1	12	1	26	4	42	2
	2	1	13	3	30	2	45	1
	3	2	15	6	31	1	47	1
	4	2	16	1	32	1	49	1
	6	5	18	1	34	1	50	1
	7	4	19	2	35	1	52	1
	8	3	21	1	37	2	56	1
	9	4	23	1	38	3	57	1
	10	3	24	1	39	2	65	1
	11	4	25	2	41	3	70	1

Positive cases were divided according to sex as follows : males, 48; females, 31.

SUMMARY OF EXAMINATIONS AND FINDINGS

	<i>Adult</i>		<i>Children</i>		<i>Total</i>
		<i>Contacts</i>		<i>Non-Contacts</i>	
Number of examinations.....	614	663		463	1740
Number of old patients re-examined.....	466	541		366	1373
Number of new patients examined.....	148	122		97	367
Number of new patients diagnosed pulmonary....	40	6		1	47
Number of new patients diagnosed hilum.....	2	21		6	29
Number of new patients diagnosed other forms...	2	1		0	3

Of the 79 cases of positive tuberculosis found, 51 were originally diagnosed at the Dispensary. This represents the sixteenth annual report of the Dispensary for Tuberculosis. The figures above tabulated for 1931 will show the largest number of new cases examined since the opening of the Dispensary, exceeding by 35 the former high total of the year 1930. There were 539 more reexaminations this year than in any prior report.

The clinics are held at the Weitz House, on the property adjoining the Municipal Hospital, 1481 Cambridge Street, on Tuesday and Saturday mornings at nine-thirty o'clock, and Thursday evenings at six-forty-five o'clock.

PATRICK J. FLEMING, M.D.

TUBERCULOSIS FIELD NURSES

Reported cases (1931):

New cases reported	193
Died	30
Moved out of town	19
Gone to hospitals	83
Disappeared	1
To visiting list	44
Private physicians attending	16

Visiting list (home):

Cases brought forward	925
Cases admitted	44
Returned patients from hospitals and sanatoria	59
Total admission to list	1,028

Dropped:

Died	34
Gone to hospitals and sanatoria	169
Moved out of town	64
Disappeared	4
Total dropped from list	271

On visiting list today	757
Home visits (original)	169
Home visits (subsequent)	2,681

Predisposed or suspected cases from last year	282
Dropped	24
New cases on list	12
Total such on list at present	270

Cases diagnosed as arrested during year	11
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Total cases on record (826 on visiting list)	1,540
--	-------

TIME ELAPSING BETWEEN "REPORT" AND "DEATH"

(1931 DEATHS, 64*)

Cases reported after death	8
Seven days or less	1
Eight to fourteen days	0
Fifteen to twenty-one days	1
Twenty-two to thirty-one days	3
Within first month (total)	5
Within second month	2
Within third month	5
Within fourth month	2
Within fifth month	1
Within sixth month	3
Six to nine months	7
Nine to twelve months	8
One to two years	7
Over two years	16

* Cambridge residents, died in Cambridge.

TUBERCULOSIS HOSPITAL

(799 Concord Avenue, Overlooking Fresh Pond)

On January 1, 1931, there remained in the hospital from the previous years, 81 cases. During the year we admitted 95 cases, and readmitted 27 cases, making a total of 198 cases treated during the year 1931.

RESIDENTS

Of the 76 cases remaining in the hospital from the previous years, 50 were patients of 1930; 12 of 1929; four of 1928; two of 1927; four of 1926; one of 1925; one of 1924; one of 1923; one of 1917; and one of 1914.

1914. A case of chronic phthisis; still resident.

1917. A case of chronic phthisis; still resident.

1923. A case of chronic phthisis; still resident.

1924. A case of chronic phthisis; was transferred to the Beth Israel Hospital for an operation; died later.

1925. A case of chronic phthisis; died April 2, 1931.

1926. Three cases of chronic phthisis; remained in the hospital and are still resident.

1927. Two cases of chronic phthisis; remained in the hospital; one died February 8, 1931; one died June 16, 1931.

1928. Four cases of chronic phthisis; remained in the hospital; three are still resident; one was discharged.

1929. Twelve cases of chronic phthisis; remained in the hospital; one case was discharged to go to work; one was transferred to Middlesex County Sanatorium, Waltham, Massachusetts, October 30, 1931; two left against advice; one was discharged to do janitor's work at the hospital; one died April 1, 1931; one was discharged improved on May 16, 1931; four are still resident.

READMISSIONS

Twenty-five cases were readmitted in 1931. One case of 1923 is still resident; one, a case of 1925, is still resident; one, a case of 1926, left against advice. Two cases of 1927; both died. Five cases of 1929; three are still resident; one case of 1929 was transferred to Middlesex County Sanatorium; one died. Nine cases of 1930; one was discharged to go to work; and was readmitted eight months later. One was transferred to the Cambridge City

Hospital for treatment for a tubercular hip, and was readmitted three months later; one was transferred to the Massachusetts Eye and Ear Infirmary for treatment of both eyes; was readmitted three months later, and is still resident.

NEW CASES

During the year 1931 we admitted 95 patients against 104 cases during 1930.

STAGES

Of the 95 cases admitted, all were advanced cases.

Sex: 53 were males; 42 were females, as against 60 males and 40 females of 1930.

Ages.....	1-10	10-20	20-30	30-40	40-50	50-60	60-70	70-80
Cases	0	14	36	22	13	6	1	2

Social Status: Married, 39; single, 45; widowed, 6; divorced, 4.

Nativity: 18 were born in Cambridge; 28 were born in the United States; 25 were foreign born; 24 were born in Massachusetts.

NATIONALITY

American.....	54	American Negro....	5	Irish.....	3
Canadian.....	7	French.....	2	Scotch.....	1
Newfoundland....	4	Greek.....	1	Italian.....	2
Lithuanian.....	2	British West Indies .	9	Portuguese.....	9

OCCUPATION

Baker.....	1	Laborer.....	14	Mechanic.....	2
Carpenter.....	5	Porter.....	1	Cook.....	1
Chauffeur.....	5	Seaman.....	1	Bookbinder.....	2
Clerk.....	1	Student.....	8	Druggist.....	1
Domestic.....	3	Bookkeeper.....	1	Cost accountant....	1
Factory worker....	12	Male nurse.....	1	Painter.....	1
Housewife.....	17	Retired.....	1	Cigar maker.....	1
Actress.....	1	Clerk.....	1		

CLINICAL FORMS

Chronic pulmonary tuberculosis.....	94
Meningitis	1

COMPLICATIONS

Hemorrhage.....	9	Intestinal tuberculosis.....	10
Arthritis.....	1	Acute pneumonic phthisis.....	2
Acute miliary.....	2	Gonorrhea.....	1
Non-tubercular.....	1	Tubercular spine.....	1
Laryngeal tuberculosis.....	5	Tubercular hip.....	1
Diabetes mellitus.....	2	Syphilis.....	2

SOURCE

Twenty-six patients gave a history of one or more cases in the immediate family. Of the remaining 70, no source of contagion could be established.

TRANSFERS

One case went to the Beth Israel Hospital, Brookline, Massachusetts; one to the Tuberculosis Hospital, Fall River, Massachusetts; one went to the State Hospital at Tewksbury, Massachusetts. Three went to the State Hospital at Rutland, Massachusetts; one to the Isolation Hospital at Lowell, Massachusetts; one to the Essex County Sanatorium at Essex, Massachusetts; one to the Lakeville Sanatorium at Middleboro, Massachusetts; one to the Westboro State Hospital for Insane at Westboro, Massachusetts; one to the Massachusetts General Hospital; four to the Middlesex County Sanatorium at Waltham, Massachusetts. Five went to the Cambridge City Hospital; one for an operation for appendicitis; one for a phrenicotomy operation; one for a tonsil and adenoid operation; one for an operation on an ischiorectal abscess; and one for a plaster cast and a Bucks Extension. Three went to the Eye Clinic at the Cambridge Hospital for treatment and glasses.

SPUTA

Eighty-eight cases were positive on admission; eight were negative.

RESULTS

Forty-one cases were discharged dead (21 per cent); seven were discharged unimproved; nine were discharged, condition same. Nine went home against advice; one was non-tubercular; nine were discharged improved (15 per cent).

X-RAY

Twenty-seven cases went to the Cambridge City Hospital for X-ray of chest; eight for X-ray of teeth and sinuses; thirteen for X-ray and extraction of teeth.

PNEUMOTHORAX TREATMENT

Thirteen have received pneumothorax treatment at this hospital during the year 1931.

AVERAGE HIGHEST AND LOWEST NUMBER OF
PATIENTS EACH MONTH

	<i>High</i>	<i>Aver.</i>	<i>Low</i>		<i>High</i>	<i>Aver.</i>	<i>Low</i>
January	80	78	74	July	83	81	80
February	82	81	79	August	84	82	79
March	78	74	72	September	81	79	76
April	80	76	73	October	80	80	79
May	79	75	78	November	81	81	80
June	81	81	76	December	83	81	79

SCHOOL MEDICAL INSPECTION

There were 21,799 physical examinations of public and parochial school children made in 1931 out of a total school population of 23,329. Of this number 13,712 children showed no defects, while the balance of 8,087 children showed 10,247 defects. The facilities for the examination of high school students are much improved, due to the providing of a separate examining room in the basement adjoining the gymnasium.

Proper facilities for the correction of vision and tonsils are still lacking. Of the 4,819 cases of tonsils found and recommended removed, only 883 were corrected (about one-fifth). There were 1,761 cases of defective vision found and only 553 corrected (about one-third).

There were 13,418 children found with defective teeth; 3,221 were corrected completely, and 2,582 continuing treatment. Below are listed the conditions found in the annual physical examinations:

Tonsils.....	4,819	Defective teeth.....	1,253
Pediculosis.....	87	Defective eyes.....	41
Cardiac.....	969	Acne.....	35
Impetigo.....	56	Injuries.....	4
Scabies.....	20	Herpes.....	6
Ringworm.....	3	Wry neck.....	1
Dermatitis.....	15	Tonsillitis.....	3
Malnutrition.....	140	Wen.....	1
Orthopedic.....	282	Thyroid.....	25
Glands.....	1,809	Moles.....	4
Lungs (rales).....	62	Scoliosis.....	9
Conjunctivitis.....	8	Cleft palate.....	1
Strabismus.....	95	Ptosis of lid.....	1
Bronchitis.....	66	Tumor.....	1
Anemia.....	18	Goitre.....	1
Colds.....	27	Nerves.....	2
Blepharitis.....	6	Verruca.....	2
Hordeolum.....	9	Pharyngitis.....	1
Asthma.....	4	Posture.....	218
Chorea.....	2		
Mental retarded.....	37	Total examination.....	21,799
Hernia.....	8	Number found O.K.....	13,712
Otitis media.....	5	Number defective children.....	8,087
Questionable skins.....	81	Number defects found.....	10,247

EXCLUSION CARDS SENT IN BY SCHOOL PHYSICIANS — 1931

PHYSICIANS	Excluded	Impetigo	Scabies	Pediculosis	Colds	Desquamation	Ringworm	Scarlet Fever	Nasal Discharge	Favus	Chicken Pox	Chorea	Tonsillitis	Mumps	? Rash	Discharging Ear
Sumner C. Andrews.....	44	19	5	17	2	1	..	..	..	..	..	..	..	..	..	..
Francis J. Barnes.....	24	2	..	20	..	..	1	1	..	..	..	..	..	..	..	..
Samuel E. Chalfen.....	12	7	2	1	..	..	..	..	1	1	..	..	..	..	..	..
William H. Clancy.....	80	42	18	1	..	..	..	..	..	..	2	1	16	..	..	..
William E. Fleet.....	3	3	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Charles M. Hutchinson....	6	..	1	..	..	1	..	..	..	..	3	..	..	1	..	..
Myer Marlin.....	55	38	8	1	..	1	1	..	..	..	5	..	..	..	..	1
John P. Nelligan.....	3	2	..	..	..	..	1	..	..	..	..	..	..	..	..	..
George A. White.....	36	27	3	..	..	..	..	..	..	..	2	..	1	..	1	..
Joseph M. Wadden.....	8	3	2	..	..	..	..	..	..	..	..	..	..	..	2	..
	271	148	39	40	2	3	3	1	1	1	12	1	17	1	3	1

Following are the defects found by doctors other than during the annual physical examinations during the year 1931; 1,359 referred of whom 336 had "no cause for complaint," while 1,023 had various ailments and defects as listed below:

Colds.....479	Vision..... 1	Questionable..... 54
Otitis media..... 5	Abrasion..... 22	Acne..... 1
Tonsils..... 26	Hematoma of hand.. 1	Laryngitis..... 1
Pediculosis..... 47	Verruca..... 3	Hordeolum..... 2
Cardiac..... 54	Boils..... 3	Biliousness..... 4
Impetigo..... 97	Furuncle..... 6	Rheumatism..... 1
Scabies..... 30	Scarlet fever..... 2	Cultures..... 1
Ringworm..... 5	Bronchitis..... 3	Diphtheria..... 1
Malnutrition..... 2	Urticaria..... 5	Unclean..... 1
Orthopedic..... 2	Dermatitis..... 5	Lungs..... 12
Chicken pox..... 2	Desquamation..... 5	Alveolar abscess 1
Mumps..... 1	Herpes..... 7	Goitre..... 1
Glands..... 3	Club foot..... 1	Contusion..... 1
Conjunctivitis..... 18	Blepharitis..... 3	Bursitis..... 1
Injuries..... 15	Burns..... 4	Syncope..... 1
Eczema..... 7	Favus..... 1	
Tonsillitis..... 37	Foreign body in eye . 4	Number found O.K. 336
Sores..... 2	Septic hands..... 8	Number defects... 1,023
Skin..... 23	Psoriasis..... 1	Total examined... 1,359

SCHOOL NURSES

The School Nurses' work, as since 1907, is carried on by the Board of Health with the coöperation of the School Department and the several parochial schools, and includes all kindergarten, grade, and high schools.

During the summer the nurses were on duty at the summer camps conducted by the School Department at the Haggerty, High School, Wyman, Houghton, Thorndike, St. Mary's Gymnasium, and Roberts School.

SUMMER SCHOOL CAMPS

Schools	Over	Under	Normal	7%	10%	15%	Left	Children
Haggerty	140	60	288	36	17	7	36	524
High and Latin or Central Day . . .	59	115	244	40	52	23	..	418
Wyman	185	195	218	74	57	64	50	648
Houghton	208	213	70	91	76	46	310	801
Thorndike	312	37	525	18	10	9	454	1,328
Roberts and St. Mary's Gym.	29	92	422	38	32	22	..	543
Totals	933	712	1,767	297	244	171	850	4,262

Following is a statistical report of the work done by the School Nursing Division:

Physicians' examinations	20,582
Nurses' examinations	148,939
Notices to parents	7,248

HOME VISITS

Malnutrition	515
Tonsillitis	188
Tonsils and adenoids	908
Pediculosis	351
Conjunctivitis	56
Ringworm	107
Scabies	165
Impetigo	382
Defective teeth	191
Defective vision	850
Measles	50
Chicken pox	93
Pertussis	44
Mumps	30
Cervical glands	102
Cultures	4
Cardiacs	79
Colds	12
Miscellaneous	2,596
Total	6,723

DISPENSARY VISITS

Number of visits	632
Eye cases	353
Ear cases	30
Teeth	50
Medical	412
Surgical	319
Posture	20
Skin	6
X-ray	9
	1,199

DEFECTS FOUND

Teeth	13,418
Tonsils	4,819
Vision	1,761
Orthopedic	204
Pediculosis	1,202

CORRECTED CASES

Teeth	3,221
Tonsils	883
Vision	553
Orthopedic	30
Pediculosis	704

WORK CERTIFICATE CLINIC

Number examined	562
Boys	325
Old	245
Girls	237
New	317
Defective children	167
Defects found	205
Teeth	32
Tonsils	17
Vision	64
Pediculosis	48
Cardiac	38
Rales	1
Impetigo	2
Skin	1
Laryngitis	1
Goitre	1
Corrected cases	63
Pediculosis	48
Vision	10
Teeth	1
Tonsils	3
Impetigo	1
Deferred a few days	59

DENTAL EXAMINATIONS

Number examined	18,282
Perfect teeth	1,282
Good teeth	3,587
Urgent cases	1,146
Orthodontia	317
Fillings	11,392
Cleanings	13,358
Extractions	6,890

SUMMER ROUND UP

Number of clinics	7
Number attended	106
Schicked at clinics	105
Defective children	43
Strabismus	1
Orthopedic	1
Tonsils	30
Teeth	11

INFANTILE CLINIC

(September 23, 1931)

Number at clinics	41
Homes visited	149
Located	23
Died	25
Refused	5
At Munson	1
Letters returned	58

WORK CERTIFICATE CLINIC

(City Hall)

Number examined.....				562
New cases.....	317	Boys.....	325	
Old cases.....	245	Girls.....	237	
Defective children.....				161
Number deferred a few days.....				59

DEFECTS FOUND (210)

Teeth.....	32	Rales (lungs).....	1
Tonsils.....	17	Impetigo.....	2
Vision.....	64	Skin (?).....	5
Pediculosis.....	48	Laryngitis.....	1
Cardiac.....	38	Goiter.....	2
Cases corrected.....			63
Pediculosis.....	48	Tonsils.....	3
Vision.....	10	Impetigo.....	1
Teeth.....			1

DENTAL CLINICS

The Central Clinic, 1481 Cambridge Street, has been conducted all year as heretofore and the district clinics at the Thorne-dike, Wellington, Roberts, Webster, Russell, and Ellis Schools are conducted mornings during the school year.

During the year the School Dentists examined and classified the teeth of 18,282 school children, including 812 freshmen at the High and Latin School (detailed report attached).

A summary of the dental clinics' work is as follows:

Patients:

Old cases.....	568
New cases.....	4,314
Total.....	4,882
Cases discharged.....	2,300
Cases continued.....	2,582

Treatments:

Number of visits.....	16,253
Number of fillings.....	11,162
Number of extractions.....	8,498
Number of treatments.....	5,135
Number of free cases.....	1,017

Money received (registration).....	\$982.60
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DENTAL EXAMINATIONS AND FINDINGS — 1931

SCHOOL	Exam.	P.	G.	U.	O.	F.	C.	Ex.
Russell.....	866	64	182	4	0	592	642	285
Lowell.....	109	12	22	1	0	75	80	35
Haggerty.....	371	26	62	8	1	269	286	189
Peabody.....	554	65	181	5	3	298	340	169
St. Peter's.....	711	45	135	12	0	513	535	337
Totals.....	2,611	212	582	30	4	1,747	1,883	1,015
Roberts.....	967	34	99	555	34	764	951	432
St. Mary's.....	1,459	31	332	54	9	917	1,102	416
Fletcher.....	401	23	79	217	15	281	392	181
Totals.....	2,827	88	510	826	58	1,962	2,445	1,029
Webster.....	730	56	86	46	47	478	610	287
Houghton.....	810	93	74	77	62	639	807	338
Morse.....	559	87	57	23	27	391	531	245
Willard.....	466	36	4	3	8	233	299	140
Blessed Sacrament....	720	62	67	27	48	500	655	339
Totals.....	3,285	334	288	176	192	2,241	2,902	1,349
Thorndike.....	537	2	86	7	0	449	535	109
Putnam.....	402	10	49	1	0	339	392	153
Taylor.....	147	1	15	1	0	131	146	68
St. Hedwig's.....	394	1	29	1	0	364	393	103
Sacred Heart.....	639	5	67	6	1	567	634	278
St. Francis.....	254	3	32	0	0	212	231	91
Totals.....	2,373	22	278	16	1	2,062	2,331	802
Wellington.....	790	76	130	16	7	534	657	368
Kelley.....	667	26	101	8	0	509	553	337
Gannett.....	149	10	5	0	0	106	124	81
Immaculate Conception	163	10	27	0	0	109	128	91
Totals.....	1,769	122	263	24	7	1,258	1,462	877
Agassiz.....	341	16	172	3	5	147	151	60
Longfellow.....	921	27	417	20	17	429	684	194
St. Paul's.....	630	10	250	4	10	296	351	102
Totals.....	1,892	53	839	27	32	872	1,286	356
Abraham Lincoln.....	278	34	53	0	0	76	32	142
Ellis.....	325	44	49	1	1	125	162	150
Sleeper.....	319	5	65	0	0	107	22	176
Wyman.....	103	17	7	0	0	37	30	161
St. John's.....	1,010	198	126	0	0	310	118	416
French.....	678	109	194	0	1	182	133	315
Totals.....	2,713	407	494	1	2	837	497	1,260
High and Latin.....	812	44	333	46	21	413	552	202
Grand Totals.....	18,282	1,282	3,587	1,146	317	11,392	13,358	6,890

BACTERIOLOGIST AND INSPECTOR OF MILK

The total number of laboratory examinations was 7,177, divided as follows:

1,890 specimens examined for diphtheria, pulmonary tuberculosis, typhoid fever, gonorrheal smears, urines, and other miscellaneous examinations.

3,187 samples of milk were tested chemically, of which number 1,517 were from distributors, 1,219 from stores, and 451 from restaurants.

990 samples of milk taken from dealers, stores, and restaurants were tested out for number of bacteria colonies per cubic centimeter according to the American Public Health Association official method.

525 cream samples were tested as to butterfat content and bacterial count; 16 of such samples were found to contain more than the 500,000 colonies of bacteria allowed by regulations.

407 samples of milk taken from milk plants were tested for bacteria content before being pasteurized.

99 samples of ice cream were examined for butterfat content and found up to the standard of at least 10 per cent butterfat for plain ice cream, and 8 per cent for added nuts or fruits.

Most of the samples of ice cream examined contained from 12 to 20 per cent butterfat.

41 specimens of butter were found to be of good standard quality. Milk used in the schools and at the Cambridge Sanatorium was checked up during the year.

42 samples of Grade "A" milk contained more than 25,000 bacteria per c.c., which is the standard in the regulations.

31 samples of milk collected from restaurants were found to be below the legal standard for butterfat.

Six violators of milk laws were tried in court, resulting in the collection of \$25 in fines.

1,670 stores and restaurants received inspections as to proper handling of milk and condition of ice chests.

21 notices were sent out to stores or restaurants where dirty ice chests were found, calling attention of the proprietors to correct conditions.

135 samples of milk contained more than the 50,000 bacteria colonies per c.c. allowed by the regulations.

82.85 per cent of the samples of milk tested 50,000 bacteria

per c.c. or less; 9.8 per cent contained from 50,000 to 100,000; 7.31 per cent contained from 100,000 to 200,000; .01 per cent contained from 200,000 to 300,000; .02 per cent contained from 300,000 to 500,000; .01 per cent contained over 500,000.

Licenses issued during 1931 were as follows: dealers, 73; stores, 716; restaurants, 246; oleomargarine, 121; pasteurizing licenses, 3. Total licenses, 1,159. Fees collected, \$608.

Ten complaints entered in regard to foreign substances found in milk were investigated and adjusted.

During the year several milk dealers changed their source of supply for their milk from non-tuberculin tested herds to herds having received the tuberculin test. Therefore, the milk delivered to the consumer, besides being pasteurized, also received an added public health safeguard by coming from tuberculin free cows.

The work done in the bacteriological laboratory is as follows:

BACTERIOLOGICAL EXAMINATIONS

1931	Diphtheria Diagnosis		Diphtheria Release		Sputa for Tuberculosis		Typhoid		Gonorrhea	Out of Town
	Positive	Negative	Positive	Negative	Positive	Negative	Positive	Negative		
January	5	45	5	4	17	42	0	1	43	12
February	2	26	0	8	17	36	0	2	34	12
March	0	15	0	0	14	15	0	5	51	4
April	1	28	0	1	15	36	0	20	41	11
May	3	24	0	10	9	17	1	23	42	9
June	1	17	0	1	11	54	0	46	37	7
July	0	23	0	1	18	40	0	15	46	15
August	0	22	0	0	8	14	1	42	56	7
September	1	17	0	0	16	33	0	12	45	9
October	0	22	0	0	13	32	3	6	43	9
November	5	38	1	3	9	37	0	5	41	8
December	7	80	2	8	7	37	1	7	32	8
Totals	25	357	8	36	154	393	6	184	511	111

Vincent's Stomatitis 10
Pneumonia 1
Septic Sore Throat 1

Spinal Meningitis 1
Suspicious 5*
No Growth 4*

* For diphtheria.

INSPECTION OF FOOD, PROVISIONS
AND SLAUGHTERING

The handling and the distribution of food in this City are still problems confronting us. Keeping food clean and wholesome, requiring that utensils and surroundings be kept in clean and sanitary conditions, demand frequent and vigilant inspections. The majority of our stores and food manufacturing establishments are in good condition; the others have to be watched constantly. I regret to say, though, that were it not for strict and frequent inspections, the largest part of our stores would be handling and exposing food under very unsanitary conditions.

My belief is that food kept in unsanitary conditions is more dangerous than putrid food. Running hot water is most essential to clean utensils, clean chests, clean kitchens, and clean stores. In a number of small lunchrooms dishes were being washed with cold water, the gas from the water tank having been shut off. The owners were warned and frequent inspections made to their lunchrooms. Two were brought to court for this violation; both fined.

The following is a detailed report of foodstuffs condemned as well as that of inspection of slaughtering:

VEGETABLES CONDEMNED

Potatoes.....	13	bushels
Sweet potatoes.....	$\frac{1}{2}$	barrel
Onions.....	3	bushels
Squash (frozen).....	4	barrels
Asparagus.....	78	bunches
Tomatoes.....	9	bushels
Cabbage.....	31	bushels
Cauliflower.....	$4\frac{1}{2}$	bushels
Spinach and other greens.....	31	bushels

FRUIT CONDEMNED

Watermelon.....	16	
Apples.....	$2\frac{1}{2}$	barrels
Cantaloupe.....	$1\frac{1}{2}$	barrels
Pears.....	$3\frac{1}{2}$	bushels
Grapefruit.....	5	boxes
Oranges.....	8	boxes
Grapes.....	305	pounds
Pineapples.....	42	
Peaches.....	16	baskets
Strawberries.....	$7\frac{1}{2}$	crates
Blueberries.....	$7\frac{1}{2}$	crates
Pickles.....	$\frac{1}{2}$	barrel

MARKET PRODUCTS CONDEMNED

Poultry.....	147	pounds
Pork.....	156½	pounds
Beef.....	450	pounds
Lamb.....	87	pounds
Sausages.....	60	pounds
Liver.....	31	pounds
Veal.....	161	pounds
Haddock.....	560	pounds
Salmon.....	52	pounds
Halibut.....	132	pounds
Oysters.....	11	gallons
Clams.....	2	gallons

MISCELLANEOUS PRODUCTS CONDEMNED

Tomatoes (canned).....	15	
Candy.....	346	pounds
Nuts (rancid).....	137	pounds
Dates exposed to dust and dirt.....	316	pounds
Figs exposed to dust and dirt.....	39	pounds
Cereal.....	38	5-lb. pkg.
Tea.....	78	pounds
Crackers.....	31	packages
Pickles.....	13	gallons
Cakes.....	213	packages
Pies.....	7	
Ice cream cones.....	10	boxes

INSPECTION OF SLAUGHTERING*

Calves (number).....	3,241
Condemned.....	773
Hogs.....	537
Condemned.....	5
Sheep.....	12
Goats.....	19

* Includes inspections of Dr. Bolger.

HOUSING AND PLUMBING INSPECTOR

During the year I have been working on relocations of water-closets to provide natural light and ventilation, removing enclosing woodwork, etc. Four houses have been vacated as unfit for human habitation. These buildings have been torn down. Three cases of old women living alone in unsanitary conditions were investigated, removed to the City Home and unsanitary conditions remedied thereafter. In a number of places, families have voluntarily remedied overcrowding and unclean conditions. Three complaints of children having been bitten by rats were investigated and conditions remedied.

I have been working on the filling of lowlands and other breeding places of mosquitoes and insects. A number of complaints of offensive odors and smoke nuisance from dumps were investigated and remedied. I have baited and supervised baiting of dumps to remedy rat nuisances. A number of complaints of offensive odors, rat nuisance, and insufficient heat referred to me have been remedied.

The following is a more detailed report of activities:

Complaints received	128
Complaints (no cause)	7
Nuisances abated	108
Nuisances abatement uncompleted	10
Original visits	1,503
Subsequent visits	1,987
Plumbing tests made	31
New water-closets installed	11
Houses vacated (unfit for habitation)	4
Families vacated	5
Stores vacated (unsanitary)	2
Basements vacated (unfit for habitation)	2
Water-closets (natural light and ventilation provided)	28
Overcrowding remedied (families)	10
Unsanitary woodwork enclosing sinks removed	4
Unsanitary woodwork enclosing water-closets removed	17
Unsanitary floors underneath water-closets repaired	15
Patients removed to hospitals	3
Legal orders served	55
Complaints of insufficient heat received and remedied	7
Rat nuisances remedied	12
Dump fire smoke and odor nuisances remedied	8
Patients removed from Tuberculosis Hospital to Cambridge City Hospital for treatment	20
Miscellaneous conditions remedied including relocations of water-closets and natural ventilation of bedrooms	22

NUISANCES ABATED, REGULATIONS ENFORCED, LICENSES GRANTED, CONTAGIOUS CASES INVESTIGATED, ETC., 1931

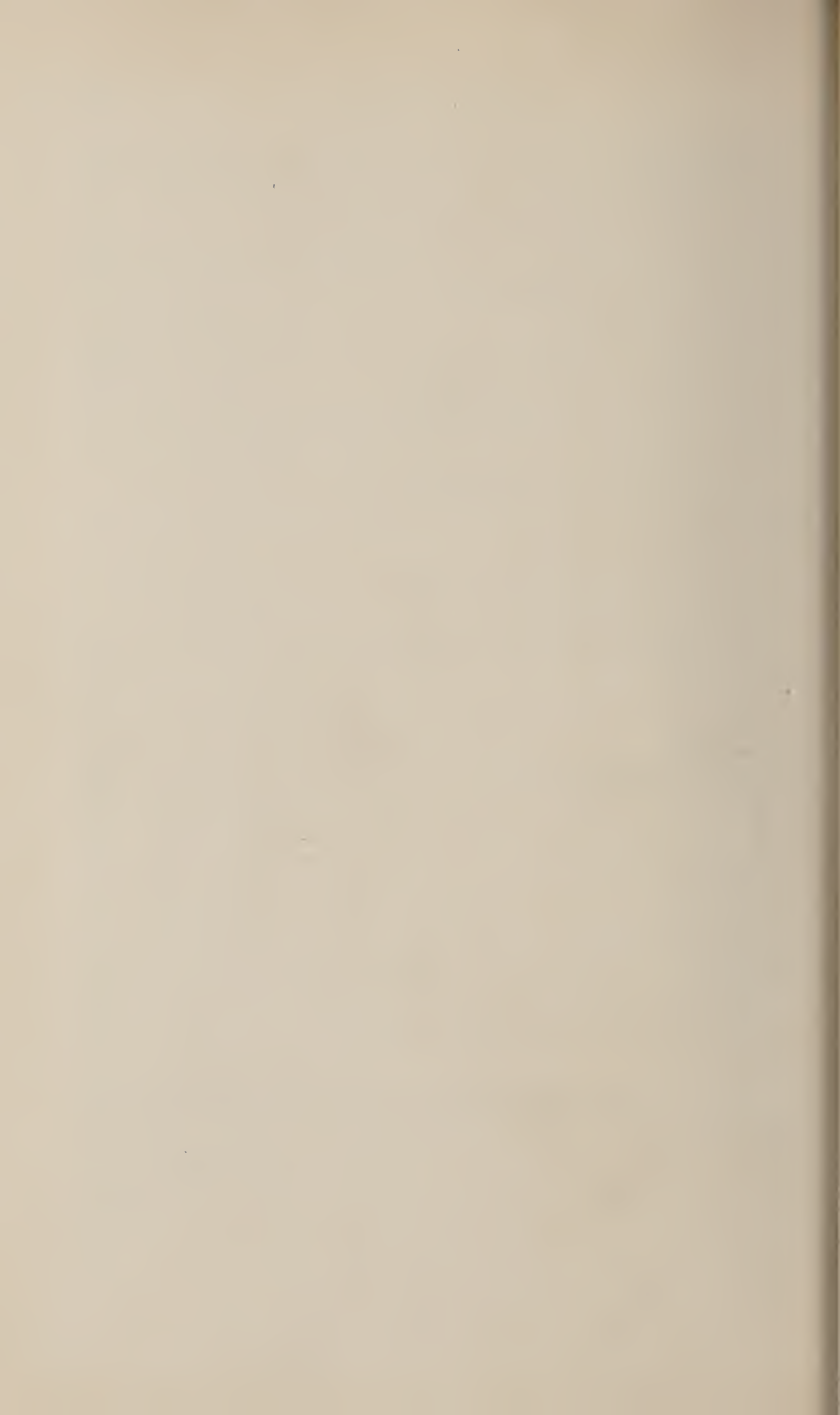
Dwelling houses surveyed completely	301
Water-closets, offensive and defective:	
Filthy bowls	56
Leaking bowls	29
Broken bowls	25
Obstructed soil pipes	75
Defective soil pipes	36
Defective tanks	32
Defective traps	35
Closets not supplied with running water	59
Insufficient supply of running water	47
New closets installed	12
New bowls installed	20
Defective supply pipes (from tank to bowl)	19
Sinks, offensive and defective (including wash bowls, bathtubs and set tubs):	
Filthy basins	35
Leaking basins	17
Defective traps	27
Defective drains	50
Obstructed drains	50
New sinks installed	18
Obstructed and defective house drains	53
Offensive cesspools cleaned and removed	10
Defective ice chest connections	11
Defective barber shop connections	9
Wet and damp cellars remedied	58
Stagnant water on premises removed	36
Stagnant water in streets and gutters removed	30
Dirty yards cleaned	292
Dirty roofs cleaned	11
Dirty buildings cleaned	18
Dirty stairways cleaned	51
Dirty light wells cleaned	8
Dirty cellars cleaned	164
Dirty sheds cleaned	11
Dirty stores cleaned	4
Dirty hencoops cleaned	35
Dirty stables cleaned	11
Uncovered manure pits properly covered	5
Manure pits repaired, and new pits built	3
Manure in yards and lots removed	18
Vacant lots cleaned	42
Defective, or lack of stable connections (gutters, traps and drains)	1
Defective stable floors repaired	4
Filthy garbage receptacles cleaned	136
Filthy garbage bins cleaned	89
New garbage receptacles provided with covers	117
New garbage receptacles — covers provided	107
Dead animals removed	61
Dirty ceilings	48
Noisy roosters	36
Leaking roofs	11
Smoke	23
Rats	22
Bugs	29

Fowl removed from dwelling houses (cellars, attics, etc.):	
Number of houses	11
Total nuisances abated	2,158
Bakeries cleaned and whitened	1
Unsanitary dwelling vacated	2
Plumbing (peppermint) tests made	7
Keeping hens without license	15
Keeping pigeons without license	10
Keeping ducks without license	2
Hearing notices posted (number premises)	37
Keeping pigs without license	1
Inspections by sanitary inspectors	14,030
Subsequent inspections by sanitary inspectors	12,446
Complaints received by inspectors through office	706
Complaints received by inspectors outside office	695
Complaints received and investigated, no cause	82
*Complaints received and investigated, nuisance abated	1,299
Complaints uncompleted	30
Contagious cases investigated and histories obtained:	
(See Contagious Disease Nurses' Report)	
Venereal diseases (lapsed cases, male)	145
Hearings given:	
On applications to keep horses	0
On applications to keep hens	25
On applications to keep and sell live fowl	4
On applications to keep pigeons	8
On applications to keep pigs	0
On applications to manufacture sausages	0
On applications for vapor baths	0
Permits granted:	
Hens	19
Pigeons	6
Licenses granted:	
Undertakers	48
Manicure and massage (practice)	166
Beauty parlors (conduct)	93
Barber shops	166
Ice cream manufacture	19
Rummage sales	51
Denatured alcohol dealers	138
To fill premises	1
Day nursery	1
Non-alcoholic beverages	9
Vapor bath (renewal)	1
Registrations:	
Collect and cart manure	1
Collect and cart grease	13
Collect and cart garbage	10
Sell ice	119
Slaughter houses	2

*Numerical difference between complaints investigated (abated) and complaints received is due to unabated nuisances brought forward from previous year and those carried to new year.

JOHN D. CROWLEY,

Agent.



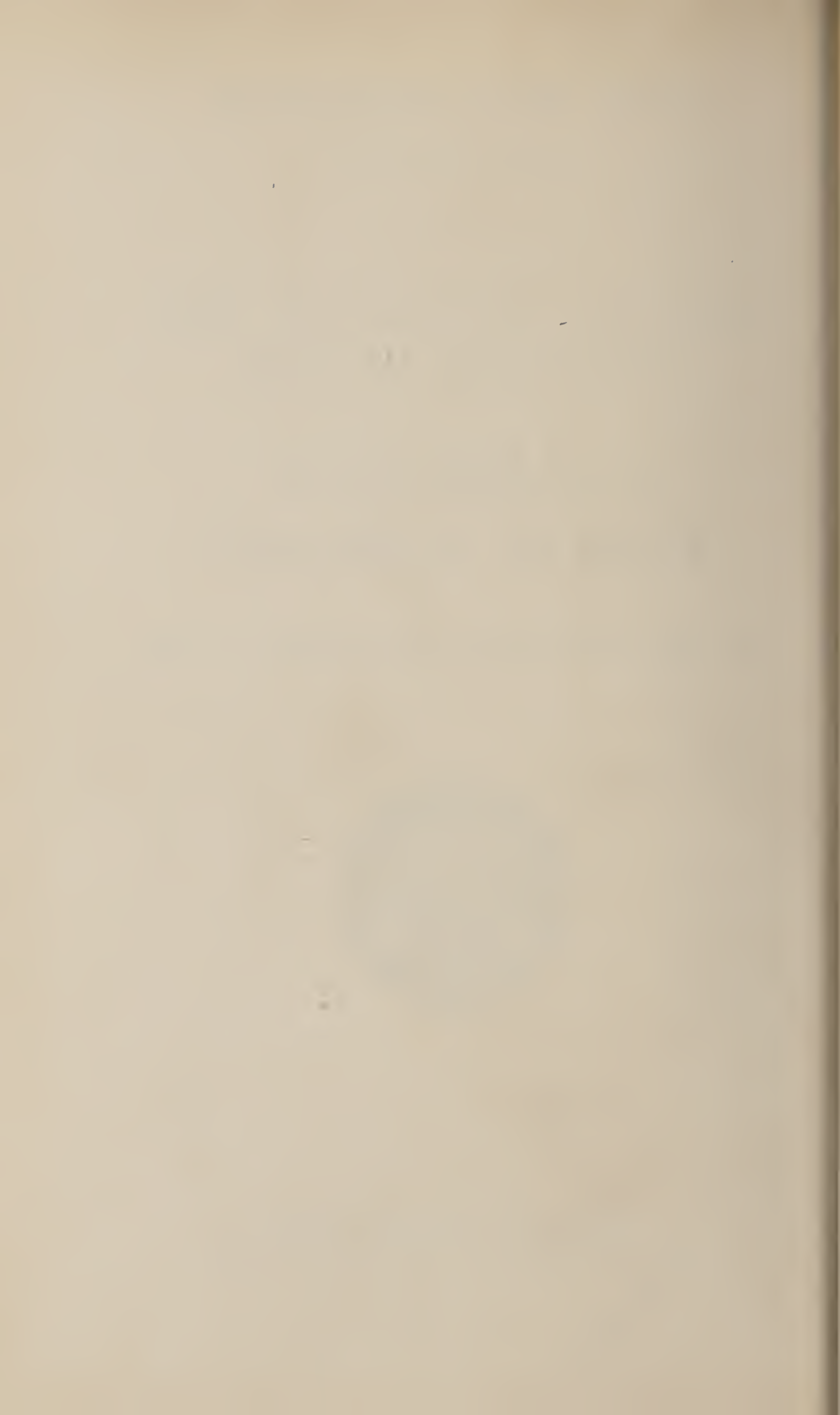
CITY OF CAMBRIDGE
MASSACHUSETTS

ANNUAL REPORT OF THE
TRUSTEES OF THE
CAMBRIDGE
PUBLIC LIBRARY

For the Year Ending December 31, 1931



PRINTED FOR THE DEPARTMENT
UNDER THE DIRECTION OF THE CITY CLERK



ANNUAL REPORT OF THE
TRUSTEES OF THE CAMBRIDGE PUBLIC LIBRARY

For the Year Ending December 31, 1931

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ROBERT W. YOUNG.....	Term expires January, 1930
THOMAS F. O'MALLEY.....	Term expires January, 1931
RICHARD J. COSTELLO.....	Term expires January, 1932
JULIA T. BOYLE.....	Term expires January, 1932
CHARLES F. HURLEY.....	Term expires January, 1932
HENRY J. MAHONEY.....	Term expires January, 1933

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Secretary

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Broadway and Trowbridge Street

The central library is open daily, except holidays, from 9 a.m. to 9 p.m.; the children's room, from 9 a.m. to 6 p.m. On Sundays the central library is open to readers only from 2 to 9 p.m.; the children's room from 2 to 6 p.m. From June 15 to September 15 the central library and children's room are closed on Sundays.

BRANCH LIBRARIES

Open Week Days Only

EAST CAMBRIDGE BRANCH, Fourth Street

Open from 9 a.m. to 9 p.m.

NORTH CAMBRIDGE BRANCH, 2101 Massachusetts Avenue

Open from 9 a.m. to 9 p.m.

CENTRAL SQUARE BRANCH, 765 Massachusetts Avenue

Open from 9 a.m. to 9 p.m.

CAMBRIDGE FIELD BRANCH, the Shelter, Cambridge Field

Open from 9 a.m. to 9 p.m.

MOUNT AUBURN BRANCH, Haggerty Schoolhouse, Cushing Street

Open Monday to Friday 2 to 9 p.m.; Saturday 1 to 9 p.m.

OBSERVATORY HILL BRANCH, 146 Huron Avenue

Open from 1 p.m. to 9 p.m.

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ANNUAL REPORT OF THE TRUSTEES

To the Honorable City Council:

Gentlemen: During the past year the service rendered by the Central Library and its branches has been extended in many directions. With allowance for the elimination of three months from the period of the fiscal year, an examination of the Librarian's report will disclose substantial, if not sensational, growth in total circulation and in the registration of borrowers under the improved charging system adopted in January, 1931.

Thoroughly satisfactory results have been secured from changes in the equipment and arrangement of the Central Library, particularly in the Delivery Room. More space is now available for "open" shelves, which, it is hoped, will soon be constructed to provide for the reading public more direct contact with stimulating and inviting books.

The resources of the Reference Room have been enlarged and have been utilized more extensively. Also noteworthy is the coöperation of the Juvenile Department with the schools.

The circulation of books in the Cambridge City Hospital, initiated during the year, exemplifies a vital field of service that should be greatly widened.

Nevertheless, despite the progress that has been made, the work of the Central Library is increasingly restricted, with the passing of each year, by inadequate facilities and physical conditions. With a building planned and erected when Cambridge was a comparatively small city and the demands of its readers were relatively few and simple, the Librarian and his staff, however capable and energetic, cannot properly fulfill obligations vastly more complex to a community continuously undergoing growth and change.

The trustees appreciate the financial problems of the City government in the present economic crisis. As emphasized, however, in the report of last year, the construction of a suitable new building, or a substantial addition to the present plant, is absolutely indispensable to the provision of cultural opportunities commensurate with the size and educational prestige of Cambridge. As noted, also, in previous reports of the Board, a new sub-station is urgently needed in the Mount Auburn District.

During the year, the Library has lost the services of two

faithful members of its staff: Miss M. Louise Brennan of the Central Library, and Miss Dorothea Gray, Branch Librarian at North Cambridge. Their passing after many years of devoted loyalty is deeply regretted.

The details of administration are set forth in the accompanying report of the Librarian, to whose leadership, with the able coöperation of his assistants, credit is due for progress in the face of difficulties.

THOMAS F. O'MALLEY,
RICHARD J. COSTELLO,
JULIA T. BOYLE,
HENRY J. MAHONEY,
EDWARD P. COLLIER,
ROBERT W. YOUNG,
CHARLES F. HURLEY.

REPORT OF LIBRARIAN**Seventy-Fourth Year, April 1, 1931 to December 31, 1931**

It is a pleasure to present to the Board of Trustees of the Library the seventy-fourth annual report of the Cambridge Public Library.

On December 31, 1931 the Library closed a short fiscal year of nine months. The change was brought about by changing the fiscal year of the City to run concurrently with the calendar year. Thus necessarily all summaries contained in this report are for a nine-months period and will show a loss as compared with any of the recent twelve months periods; but will, however, show a gain for a similar period in 1930.

The passing of 1931 also marks the loss to the Library of one who has been a true friend of the Library and the staff. Mr. Charles F. Hurley, State Treasurer of this Commonwealth, was automatically retired at the expiration of his term on the School Committee. Mr. Hurley was a former chairman of the Board of Library Trustees. Also during the early months of 1931, Mr. Edward H. Redstone, State Librarian, resigned as a trustee of the Library. Mr. Redstone served as a trustee for fifteen years and was also a former chairman of the Board. The staff join the trustees in expressing their regret that these two men who took so great an interest in the work of the Library no longer guide its destiny.

In June of 1931, Miss Evelyn Frost, who was an assistant in the Juvenile Department, resigned to be married. She is now Mrs. Carroll Buck and is at home in Columbus, Ohio.

Late in the last fiscal year death stalked abroad among the immediate staff. Miss M. Louise Brennan, who for twenty-five years was a faithful and cheerful member of this staff, died after a few months illness. Despite her lameness Miss Brennan will long be remembered for her patient cheerfulness by those who knew her.

Shortly after the dawn of the New Year Miss Dorothea Gray, Branch Librarian of the North Cambridge Branch, died of pneumonia. She had been a member of this staff for twenty-two years and was a loyal and true public servant.

At the Main Library last year a new charging desk and a new catalogue were installed. The room was changed about and is now offering greater service to the public. Plans are underway to increase the shelf room, thus affording the public a greater number

of books in which to browse. The branch at Central Square was completely renovated and repainted. A system of circulation with the Cambridge City Hospital was established through Miss Stuart, a Red Cross worker, and Miss Mary Doyle, an assistant at the Main Library.

BUILDING

Though many improvements of the appointments have been made and all have tendered to make the interior of the Library more attractive, there remains the need of larger accommodations. The Stack Room is at present crowded, the Reference Room should be larger, the Juvenile Room is by far too small, there is not adequate room for the School Library, the music collection needs separate quarters, and local history collection should have more space.

BORROWERS OF BOOKS

The new registration proceeded throughout the year and at present the total registration is 16,388 borrowers. Either the current depression or the regard for books or both lead to a considerable monthly gain in circulation. There is a constant demand for non-fiction and it is to be noted that though fiction remains by far the heaviest class of reading there is also a steady increase in the readers of biography, history, travel, etc. It is the earnest desire of the Librarian and staff to serve the patrons of the Library the best of good reading and comfortable appointments in which to enjoy their Library.

USE OF THE LIBRARY

It is a far cry from the days of the old Athenaeum on the corner of Massachusetts Avenue and Pleasant Street to the six-branch system of the Public Library of today. Then one might, if he were a member of the corporation, use the reading room, later the public could use it. Today one may borrow as many books as one wishes, he may call the reference desk for any question on which he wishes information, he may make use of the latest reference works procurable, he may read his favorite magazine or local paper in the Library, and he may come to its reading room to write his essays, speeches, etc.

The circulation again registers a good healthy growth. There is no great increase and of course the total is less than the preced-

ing year; but it is for a nine-month period as against twelve. This report, however, will show an increase for a similar period in the preceding year.

During the year 519,177 books were loaned for home use. This is an increase of 19,211 volumes for a similar period in 1930-1931.

In the following table is shown the number of volumes in the Library, the number of borrowers and the total circulation for each year for the past five years.

Year	No. Volumes	Borrowers*	Circulation
1927-28.....	143,555	44,646	548,412
1928-29.....	148,596	44,301	610,543
1929-30.....	150,618	47,608	635,161
1930-31.....	156,507	9,187	666,623
April 1931-December 1931, inclusive....	161,771	16,388	519,177

* Reregistration started under the new Dickman Charging System, January 1931. All borrowers required to reregister.

THE STAFF

During the past year only one resignation from the staff occurred. Miss Frost resigned from the Juvenile Department. Mrs. Florence Lyons was transferred from the catalogue room to this Department to fill this vacancy. Miss Isabelle McGowan was transferred from the School Library to the catalogue room and Miss Mary Hill was appointed to fill the vacancy in the School Library. Miss Teresa Connor was appointed to a position at the Main Library as an assistant in the Circulation Department.

THE LOAN DEPARTMENT

The outstanding change in this Department during the past year was the transfer in location and the replacement of the old desk. In this change of location is a twofold benefit; the desk is now nearer the door for convenience, as in more modern libraries, and is better lighted by being placed by the windows, which is of advantage to all.

The new desk was built for the purpose for which it is used, and so is more conveniently equipped, having on one inner side a complete card file of fifty-six drawers, used for borrower's registrations of the entire Library. The other inner space is conveniently shelved for books.

This desk not only facilitates the borrowing and returning of books for the public, but, together with the new matching catalogue cabinets, has greatly improved the appearance of the Delivery Room.

REFERENCE ROOM

The Reference Room has been a busy place during the past months, with more readers than usual in the forenoons as well as in the afternoons and evenings.

One hundred and forty-four books were added to the collection. Some of these were new editions of books already in the reference collection; the older books were removed to the stack, and the total gain was sixty-five volumes. On January 1, 1932 there were 3,113 volumes in the Reference Department.

Among those acquired were the following: "United States Official Pictures of the World War" in four volumes, "Practical Decoration of Furniture" by H. P. Shapland, "Insurance Year Book," "Catholic Encyclopaedic Dictionary" edited by Donald Attwater and others, Part 2 of the "Essay and General Literature Index," volumes of the "Reference Shelf" dealing with chain stores, the World Court, compulsory unemployment insurance, stability employment. The Library is getting the volumes of the valuable "Dictionary of American Biography" as they are published.

There are many calls for books on costume. The library had McClellan's "Historic Dress in America, 1607-1800" and there has been added "Historic Dress in America, 1800-1870" by the same author. Another very valuable addition is the "Atlas of the City of Cambridge, Massachusetts from Actual Surveys and Official Plans," published in 1930.

Between April 1 and January 1, 8,725 books were drawn from the stack for use in the Library. No record is kept of the books used from the open shelves in the Reference Room.

The questions have varied from a query about a Latin phrase to a request for a recipe for making brownies. We are, of course, having many requests in connection with the Washington bicentennial.

The pupils of the freshman class from the high school have been to the Library as usual for talks in regard to the use of the card catalogue and reference books.

The new stands for the dictionaries have proved most satisfactory. They rest on the table and the dictionaries are fastened to them, so that the leaves are not ruffled, as is so often the case with heavy books.

Reference work cannot be measured, but when one helps a man to find information that he needs, and he afterwards says that this information helped him to pass an examination, and has been worth two thousand dollars to him, it seems quite worth while from a very practical point of view.

JUVENILE DEPARTMENT

The year 1931 has been a very successful one for the Juvenile Department as the outstanding success of the previous year has not only been continued but surpassed. There has been a gain in circulation. Story hours, not only in Central, but also in the branches have been increasingly well attended.

More than ever before attention has been given to beautifying the Children's Room, since it is felt that children will remain to profit by reading the worth-while books, only if they find the room attractive. This has been accomplished mainly by the exhibition of attractive picture collections.

This year, for the first time, a bulletin containing only titles of new juvenile books was printed and issued during National Book Week, November 16-21.

The Department has also been able to increase its usefulness by greater coöperation with the schools through the use of the juvenile reference books, by story hours in school halls, by making reading lists and suggesting new titles for old lists.

BRANCHES

The branch libraries of any system should all be compact miniatures of the main library. Despite the fact that our branches are serving more than half the population of the City there is not one of them housed in its own building. We are either the unwelcome tenants of other City departments or we have to lease quarters from outside. This yearly rental would amortize any debt incurred by the erection of suitable branch buildings. We should have city-owned buildings which would be a point of civic interest and pride. The book treasures of the City should be properly housed and we need light, cheery and attractive branches.

Each building would be a fitting memorial to a public-spirited citizen donor such as the Main Library stands today, or it might commemorate some of those loyal and self-sacrificing sons of Cambridge who possessed that great love "to lay down his life for his friends."

In conclusion it seems fitting to call attention to the real needs of the Department. First we need good financial support. The minimum amount to operate the library system adequately has been set at one dollar per capita of the population. Of course, in time of a crisis like the present it is fair to expect that no standard can be followed but the one of expediency. The City Government has always given consideration to the needs of the Library, and it is earnestly hoped when the present economic situation has been righted that we may again plan to extend the service of the Library. The second greatest need is a new main library building which would give adequate fire protection to the book treasures of the City. We need to extend our hospital service and at least one additional branch library. We should have the library truck available for a full week. With a steadily increasing service we are fast outgrowing the physical limits of the present system, and even to continue the present service we will need to gradually add to building and to personnel.

It is a pleasure to report the whole-hearted support of the entire staff. Their whole-hearted coöperation and enthusiasm is in no small measure responsible for the service which is being rendered the patrons.

I take this occasion to thank the many friends of the Library for their gifts of books, pamphlets and magazines. The Library has been the recipient of many very useful books this year. Also I wish to acknowledge the good will and generosity of the local papers for the publishing of book lists and other matters.

I wish to thank the Board of Trustees for their willingness at all times to render service to the Library and for their loyal support and interest in several projects undertaken.

Respectfully submitted,

THOMAS J. SULLIVAN,
Librarian.

LIBRARY STATISTICS

April 1, 1931 to December 31, 1931

Number of Card Holders

Borrowers registered during year (Central Library)	2,882
Total number of borrowers (Central Library)	6,674

Branch Libraries

Borrowers registered during year (North Cambridge)	915
Total number of borrowers (North Cambridge)	1,960
Borrowers registered during year (Central Square)	1,607
Total number of borrowers (Central Square)	3,293
Borrowers registered during year (East Cambridge)	453
Total number of borrowers (East Cambridge)	1,155
Borrowers registered during year (Cambridge Field)	590
Total number of borrowers (Cambridge Field)	1,216
Borrowers registered during year (Mount Auburn)	174
Total number of borrowers (Mount Auburn)	547
Borrowers registered during year (Observatory Hill)	580
Total number of borrowers (Observatory Hill)	1,543

At Central Library and Branches

Total number of borrowers (those who have registered for new cards since January, 1931)	16,388
---	--------

Accessions

Central Library

	1930-31	Apr.-Dec. 1931
Added by purchase (new books)	3,825	4,125
Added by purchase (replacements)	1,151	270
Added by purchase (from funds)	61	269
Added by gift	334	141
Binding	132	74
Lost books found	10	0
	5,513	4,879

Branch Libraries

Added by purchase (new books)	4,352	4,868
Added by purchase (replacements)	1,322	642
Added by gift	18	85
Added by transfer from Central Library	23	28
Lost books found	0	0
	5,715	5,623
Total accessions	11,228	10,502

Deductions

Central Library

Discarded	1,397	1,305
Missing	666	693
Transfer to Branches	23	28
	2,086	2,026

Branch Libraries		
Discarded	3,177	2,785
Missing	76	427
	3,253	3,212
Total deductions	5,339	5,238
Net gain	5,889	5,264
Total volumes in Central and Branches	156,507	161,771
Distributed as Follows		
Central Library	116,879	119,732
North Cambridge	8,308	8,062
Central Square	8,104	8,657
East Cambridge	8,716	9,222
Cambridge Field	5,670	6,086
Mount Auburn	4,525	4,987
Observatory Hill	4,305	5,025
	156,507	161,771

CIRCULATION BY CLASSES, APRIL, 1931-DECEMBER, 1931

Adult

	Central Library	North Cambridge Branch	Central Square Branch	East Cambridge Branch	Cambridge Field Branch	Mount Auburn Branch	Observatory Hill Branch
General Works.....	306	68	23	6	11	87	24
Philosophy.....	1,592	143	163	46	24	105	170
Religion.....	1,303	1,161	83	108	19	175	39
Sociology.....	4,124	450	292	246	120	464	281
Philology.....	1,353	132	32	119	20	568	53
Science.....	2,604	204	170	45	21	135	77
Useful Arts.....	3,337	324	391	102	79	211	157
Fine Arts.....	4,218	501	191	127	62	273	219
Music.....	1,757	.....	.....	.....	.....	.....	.....
Literature.....	6,384	1,634	622	1,877	251	637	788
History.....	6,568	1,220	965	292	225	582	924
Biography.....	8,362	862	528	122	117	410	647
Magazines.....	1,573	3,237	927	321	143	2,378	1,312
Fiction.....	76,571	47,151	40,373	16,751	13,858	17,613	25,638
School Library.....	620	.....	.....	.....	.....	.....	.....
Total.....	120,672	57,087	44,760	20,162	14,950	23,638	30,329

Juvenile

	Central Library	North Cambridge Branch	Central Square Branch	East Cambridge Branch	Cambridge Field Branch	Mount Auburn Branch	Observatory Hill Branch
General Works.....	58	14	320	3	0	124	21
Philosophy.....	34	41	54	0	50	90	46
Religion.....	158	106	201	196	114	199	73
Sociology.....	3,690	2,037	2,701	3,076	3,375	2,592	1,295
Philology.....	25	0	14	0	0	0	1
Science.....	445	119	297	197	256	200	149
Useful Arts.....	606	215	374	219	189	230	128
Fine Arts.....	610	216	367	236	254	359	173
Music.....	.....	.....	.....	.....	.....	.....	.....
Literature.....	1,032	739	583	401	608	958	397
History.....	1,281	915	1,242	817	936	733	612
Biography.....	589	185	330	202	255	459	146
Magazines.....	226	83	45	19	17	775	106
Fiction.....	26,216	24,270	19,253	11,600	14,683	16,466	13,153
Total.....	34,970	28,940	25,781	16,966	20,737	23,185	16,300

Total Circulation

		<i>Nine Months of 1930-31 (for Com- parison)</i>	<i>April, 1931- December, 1931 (Inclusive)</i>	<i>Loss</i>	<i>Gain</i>
	1930-31				
Central Library	187,532	140,649	155,642		14,993
North Cambridge	106,251	79,688	86,027		6,339
Central Square	93,178	69,884	70,541		657
East Cambridge	53,533	40,149	37,128	3,021	
Field Branch	57,192	42,894	35,687	7,207	
Mount Auburn	60,060	45,045	46,823		1,778
Observatory Hill	60,767	45,575	46,629		1,054
Schools	48,110	36,082	40,700		4,618
Total	666,623	499,966	519,177	10,228	29,439
Net Gain					19,211

Books to Outside Agencies

Grade schools	4,038	3,028	3,101	73
Branch Libraries	6,946	5,209	4,070	139

**LIBRARY STATISTICS ACCORDING TO FORM ADOPTED
BY AMERICAN LIBRARY ASSOCIATION**

Annual report for year ending December 31, 1931.

Name of Library: Cambridge Public Library, Cambridge, Mass.

Name of Librarian: Thomas J. Sullivan.

Date of founding: 1858.

Population served (latest statistics): 113,643.

Assessed valuation of city or town: \$191,944,400.

Rate of tax levy: \$33.90 per thousand.

Terms of use: Free for lending, free for reference, free to students.

Total number of agencies: Consisting of Central Library; Branches, 6; Stations, 2; other agencies, 24 schools.

Number of days open during year (Central Library) 341

Hours open each week for lending (Central Library) 72

Hours open each week for reading (Central Library) 79

INCREASE

Number of volumes at beginning of year 156,507

Number of volumes added during year by purchase 10,248

Number of volumes added during year by gift or exchange 254

Number of volumes withdrawn during year 5,238

Total number at end of year 161,771

Number of volumes in Reference Department (included in total) 3,113

Number of volumes added during year by binding material 74

Number of volumes of fiction lent for home use 363,596

Total number of volumes lent for home use 519,177

REGISTRATION

Number of borrowers registered during year 7,201

Total number of registered borrowers 16,388

Number of newspapers and periodicals currently received:

	Titles	Copies
Newspapers	20	62
Periodicals	298	521

Number of staff, library service 33

Number of staff, janitor service 3

ANNUAL TREASURER'S REPORT

From April 1, 1931 to December 31, 1931

Citizens Subscription Fund

Balance March 31, 1931		Expended to December 31,	
Bonds	\$5,000 00	1931	\$196 50
Savings deposit	500 00	Balance in bonds	5,000 00
Bank	80 29	Balance in savings deposit . .	500 00
Returned check	37 49	Balance in bank	157 56
Receipts from income	222 50		
Receipts from checking acct.	13 78		
	\$5,854 06		\$5,854 06

Cummings Fund

Balance March 31, 1931		Expended to December 31, 1931	
Bonds	\$2,000 00	Balance in bonds	\$2,000 00
Bank	127 42	Balance in bank	212 42
Receipts from income	85 00		
	\$2,212 42		\$2,212 42

Fay Fund

Balance March 31, 1931		Expended to December 31, 1931	
Savings deposit	\$1,000 00	Balance in bonds	\$1,000 00
Bank	47 77	Balance in bank	72 77
Receipts from income	25 00		
	\$1,072 77		\$1,072 77

Harding Fund

Balance March 31, 1931		Expended to December 31, 1931	
Savings deposit	\$1,000 00	Balance in savings deposit . .	\$1,000 00
Bank	61	Balance in bank	50 61
Receipts from income	50 00		
	\$1,051 61		\$1,051 61

Howe Fund

Balance March 31, 1931		Expended to December 31, 1931	
Bonds	\$3,000 00	Balance in bonds	\$3,000 00
Bank	134 14	Balance in bank	261 64
Receipts from income	127 50		
	\$3,261 64		\$3,261 64

Murdock Fund

Balance March 31, 1931		Expended to December 31, 1931	
Savings deposit	\$2,000 00	Balance in savings deposit . .	\$2,000 00
Bank	289 51	Balance in bank	339 51
Receipts from income	50 00		
	\$2,339 51		\$2,339 51

William E. Saunders Fund

Balance March 31, 1931		Expended to December 31,	
Bonds.....	\$7,000 00	1931.....	\$311 92
Bank.....	341 56	Balance in bonds.....	7,000 00
Savings deposit.....	1,000 00	Balance in savings deposit ..	1,000 00
Receipts from income.....	297 50	Balance in bank.....	327 14
	\$8,639 06		\$8,639 06

Edward H. Whorf Fund

Balance March 31, 1931		Expended to December 31, 1931	
Bonds.....	\$3,000 00	Balance in bonds.....	\$3,000 00
Bank.....	217 96	Balance in bank.....	346 81
Receipts from income.....	120 00		
Interest on deposit.....	8 85		
	\$3,346 81		\$3,346 81

Wilson Fund

Balance March 31, 1931		Expended to December 31, 1931	
Bonds.....	\$1,000 00	Balance in savings deposit ..	\$1,000 00
Bank.....	140 99	Balance in bank.....	187 05
Interest on deposit.....	46 06		
	\$1,187 05		\$1,187 05

James A. Woolson Fund

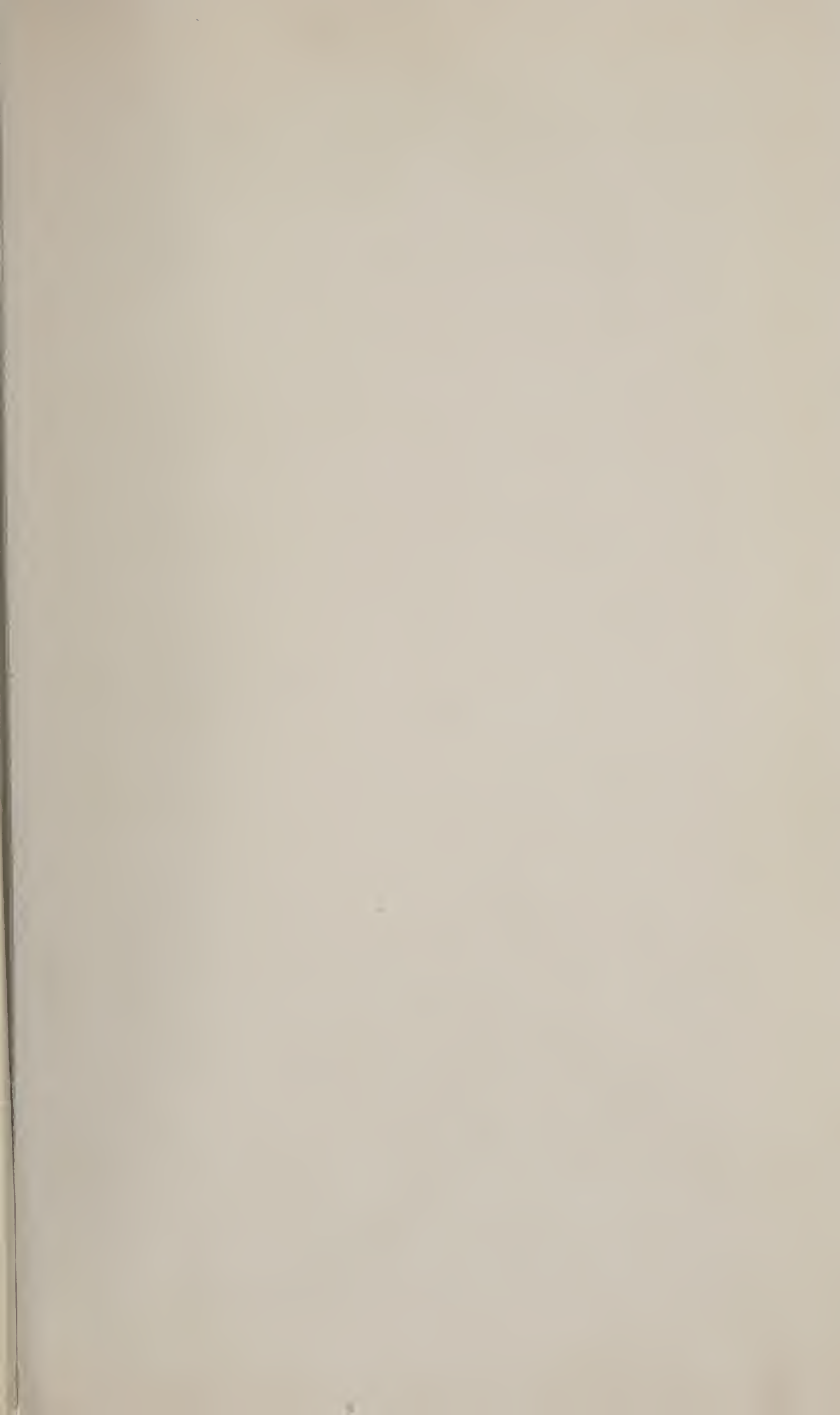
Balance March 31, 1931		Expended to December 31,	
Bonds.....	\$5,000 00	1931.....	\$226 08
Bank.....	357 97	Balance in bonds.....	5,000 00
Receipts from income.....	212 50	Balance in bank.....	344 39
	\$5,570 47		\$5,570 47

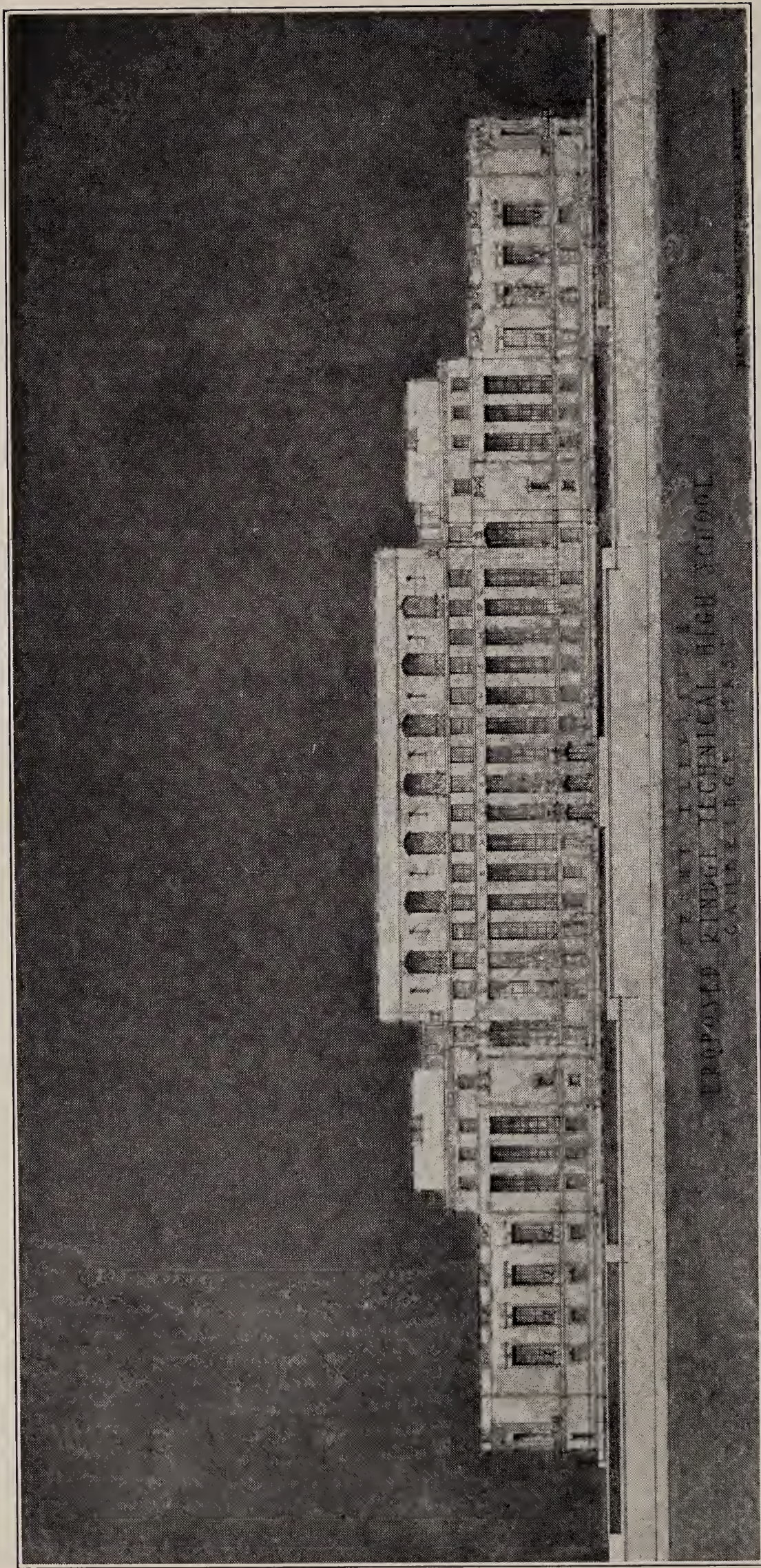
Fund Established by a Citizen of Cambridge

Balance March 31, 1931		Expended to December 31, 1931	
Bonds.....	\$3,000 00	Balance in bonds.....	\$3,000 00
Bank.....	1,597 35	Balance in bank.....	1,812 84
Savings deposit.....	4,400 00	Balance in savings deposit ..	4,400 00
Receipts from income.....	127 49		
Interest on savings deposit ..	88 00		
	\$9,212 84		\$9,212 84

FINES ACCOUNT

By cash paid City Treasurer \$1,706 42





ARCHITECTS' DRAWING OF THE NEW RINDGE SCHOOL

CITY OF CAMBRIDGE
MASSACHUSETTS

ANNUAL REPORT
OF THE
SCHOOL COMMITTEE
AND THE
SUPERINTENDENT OF SCHOOLS
1931



PRINTED FOR THE DEPARTMENT

SCHOOL COMMITTEE

FROM JANUARY 1, 1931, TO JANUARY 1, 1932

Hon. RICHARD M. RUSSELL.....*Chairman*
Mr. RAYMOND A. FITZGERALD.....*Vice-Chairman*

Mrs. JESSIE W. BROOKS, 10 Linnæan Street

Mr. RAYMOND A. FITZGERALD, 1 Leonard Avenue

Mr. CHARLES F. HURLEY, 57 Fresh Pond Lane

Mr. JOHN D. LYNCH, 20 Fairfield Street

Mr. EDMUND J. MCGREENERY, 164 Brattle Street

Mr. RUSSELL A. WOOD, 11 Whittier Street

SCHOOL COMMITTEE

FROM JANUARY 1, 1932 TO JANUARY 1, 1933

Hon. RICHARD M. RUSSELL.....*Chairman*
Mr. JOHN D. LYNCH.....*Vice-Chairman*

Mrs. JESSIE W. BROOKS, 10 Linnæan Street

Dr. JAMES J. CASSIDY, 199 Lexington Avenue

Mr. JOHN LACEY DELANEY, 16 Garden Street

Mr. RAYMOND A. FITZGERALD, 1 Leonard Avenue

Mr. JOHN D. LYNCH, 20 Fairfield Street

Mr. RALPH W. ROBART, 393 Broadway

In Memoriam

FRANCES ALLEN

Appointed teacher, January 1873

Pensioned, January 1920

Died, October 1931

ANNA F. CASEY

Appointed teacher, May 1925

Died, December 1931

HON. EDWARD W. QUINN

Chairman of School Committee

From January 1918 until December 31, 1929

Died, September 1931

MARGARET B. WELLINGTON

Appointed, September 1868

Resigned, September 1911

Died, July 1931

ANNUAL REPORT OF THE SUPERINTENDENT

I herewith submit my twentieth annual report, which is the sixty-fourth in the series of annual reports by the superintendents, and the ninety-second of the printed reports of the School Committee of Cambridge:

For some time prior to last year, the financial year for the City of Cambridge has opened on April 1. Last year, by a change in the laws, January 1 marked the beginning of the financial year. This report, consequently, concerns only the period of nine months from April 1, 1931 to December 31, 1931. This fact must be borne in mind when comparing the statistics recorded herein with the statistics of preceding twelve-month periods. It also explains why I am presenting at this time a merely statistical report.

Two important events mark the year of 1931 — the completion, dedication, and opening of the Longfellow School; and the adoption of plans for and the beginning of construction of the new Rindge Technical School. The Longfellow School has given universal satisfaction. The plan, appearance, construction and equipment all make for efficiency and modern progress. The new Rindge Technical School promises to meet with general approval, filling a long-felt need for larger and better quarters and adding to the City's prestige in the educational world.

The schools have maintained their usual standing in scholarship of graduates, personnel of teaching force and the loyalty of that force to their professional leaders.

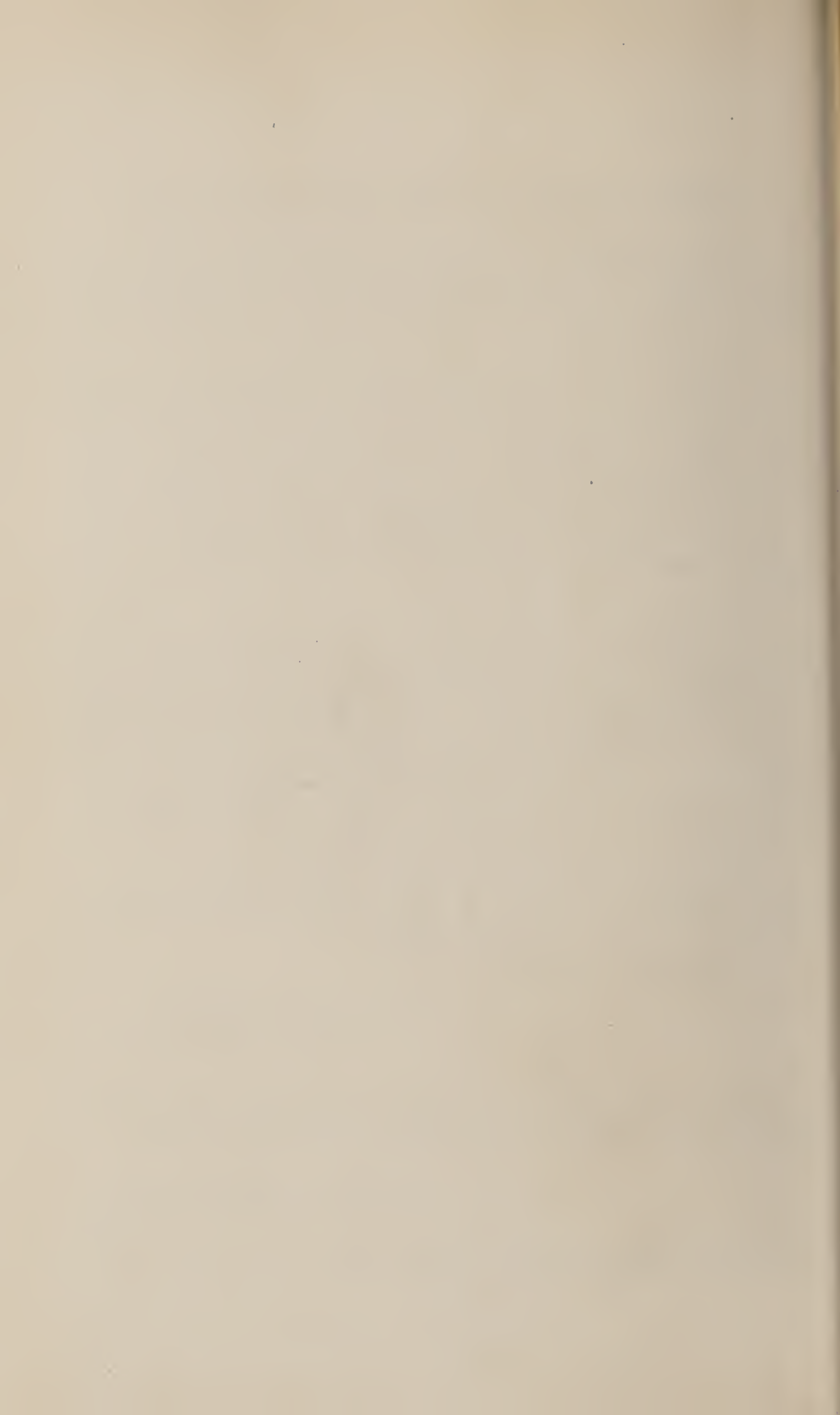
Respectfully submitted,

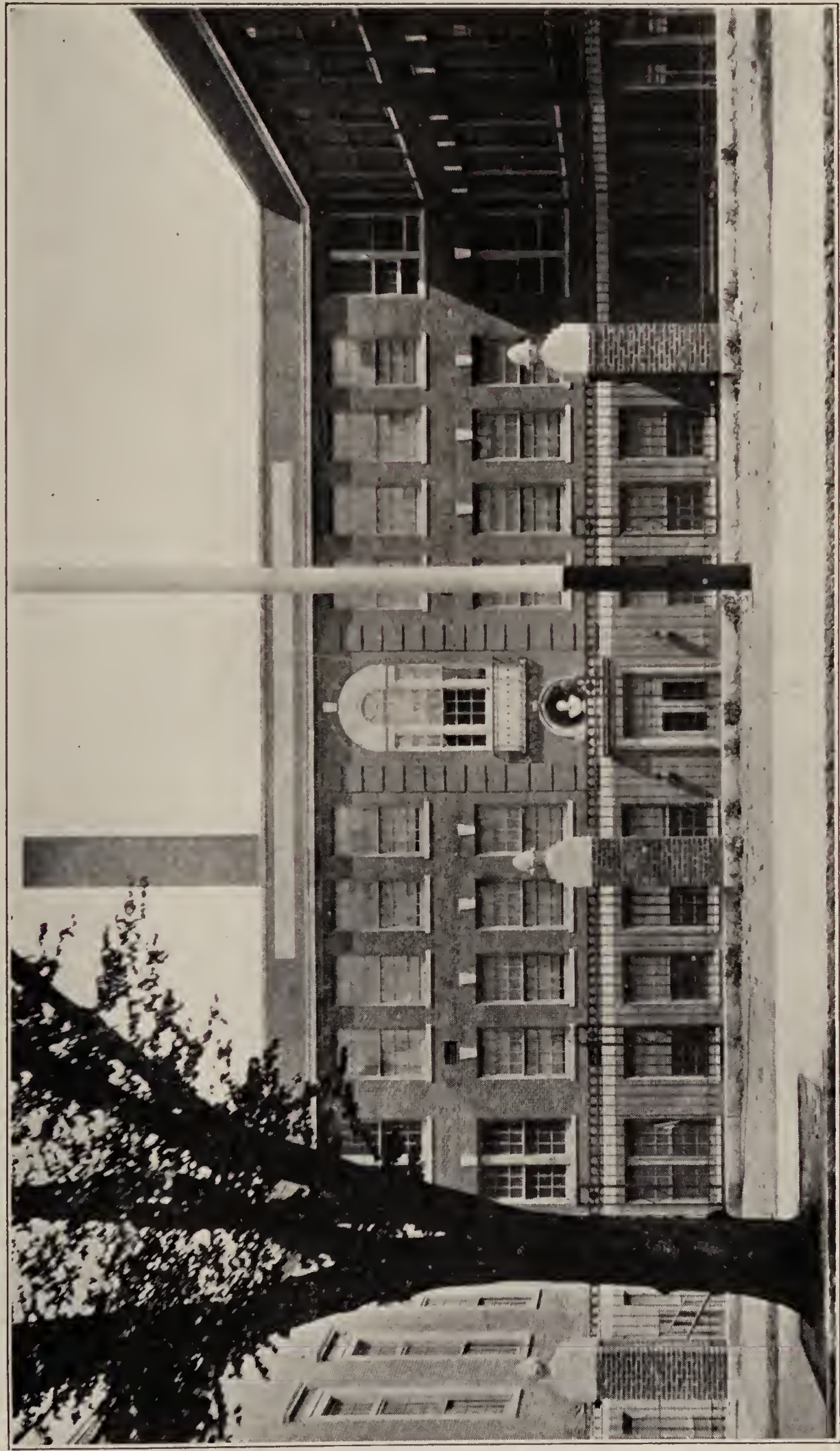
M. E. FITZGERALD,
Superintendent of Schools.

Ordered, That the report of the Superintendent be accepted and adopted as the report of the School Committee for 1931.

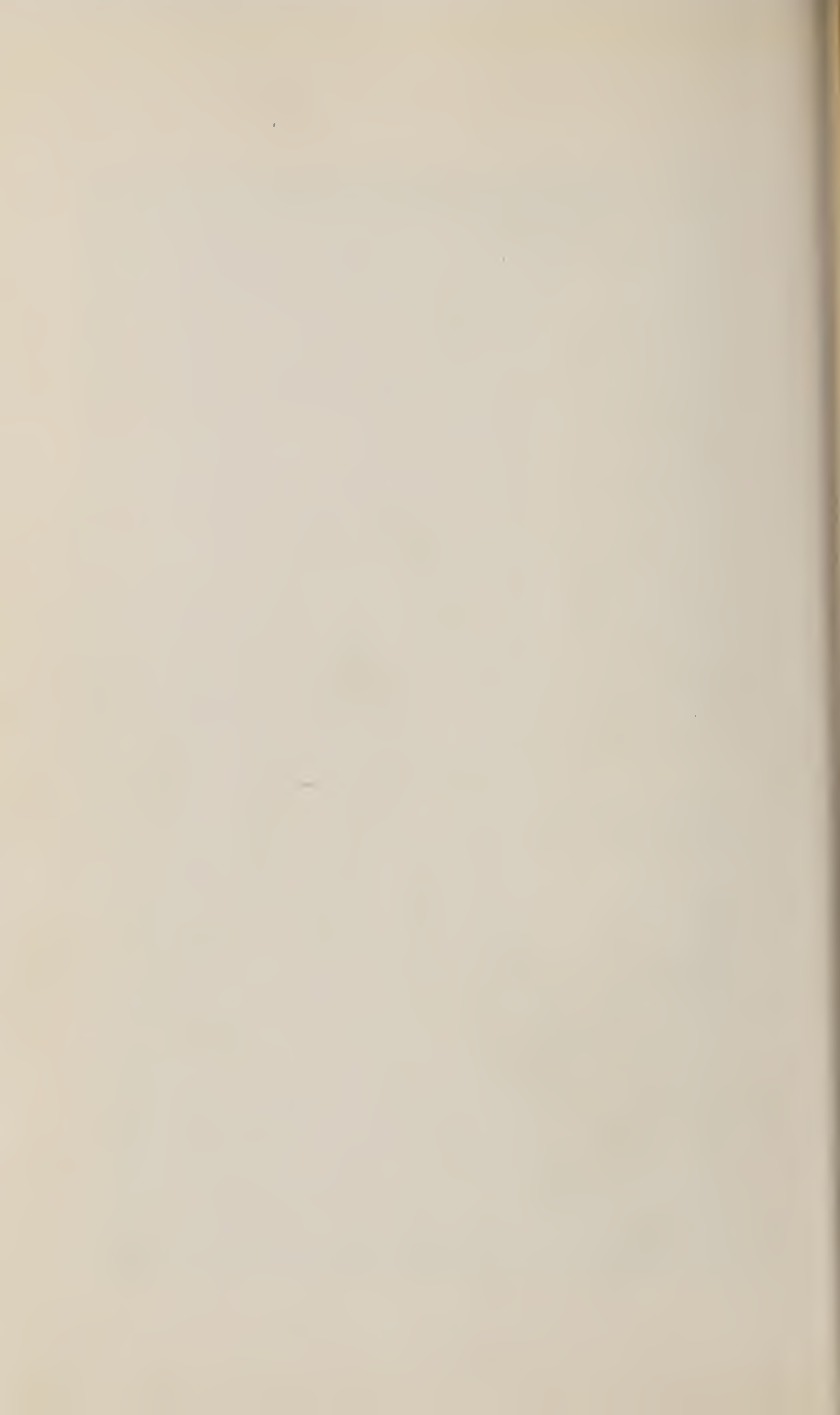
HELEN R. BROSNAHAN,
Secretary

Cambridge, Massachusetts.





HENRY WADSWORTH LONGFELLOW SCHOOL



STATISTICS

FINANCES

FOR THE FINANCIAL YEAR FROM APRIL 1, 1931
TO DECEMBER 31, 1931

AMOUNT AVAILABLE

Amount from Tax Levy (\$6.50 per \$1,000 valuation for 9 months) . .	\$1,260,349 07
Amount from Tax on Intangibles, collected by State	166,393 80
Amount received from Massachusetts School Fund	129,982 00
Unexpended balance from 1929-1930	73,964 76
Revenue (estimated)	40,000 00
Total amount available for support of schools	\$1,670,689 63

AMOUNT APPROPRIATED FOR NINE MONTHS

Amount appropriated from Taxes	\$1,349,497 50
Received from Massachusetts School Fund	129,892 00
Unexpended balance, 1930-1931	73,964 76
Revenue received	25,535 18
Dean bequest for Children's Museum	501 39
Total receipts	\$1,579,390 83

EXPENDITURES

Salaries of teachers, all schools	\$1,128,265 14
Administrative salaries	56,000 30
General administrative expenses	12,526 21
Textbooks	31,262 02
Supplies	59,424 35
Transportation of pupils	1,294 00
Tuition to other cities	8,084 10
Janitor service	112,476 22
Janitor's supplies	4,248 01
Fuel and light	24,956 13
Repairs to buildings	66,237 96
Furniture and furnishings	6,929 33
Other school expenses	11,035 55
Refund on Minors' Licenses	42 75
Pensions	3,474 75
Lunch Rooms Supplies	17,634 27
Athletic Clothing	2,745 76
Library	996 18
From Dean Bequest	175 12
Total expenditures	\$1,547,808 15
Balance unexpended	\$31,582 68

COST OF INSTRUCTION FROM APRIL 1, 1931 TO JANUARY 1, 1932

SCHOOLS AND OFFICERS	Cost of Instruction	Average Number of Pupils for the Year ending in June	Cost per Pupil
High and Latin School.....	\$237,177 46	2,607	\$90 98
Rindge Technical School.....	121,397 65	1,115	108 86
Grammar Schools.....	294,897 31	6,062	48 65
Primary Schools.....	212,734 58	4,457	47 73
Kindergartens.....	46,567 74	952	48 92
Open Air Classes.....	21,709 83	241	90 08
Substitute Teachers.....	44,269 00	—	—
Continuation School.....	11,279 20	—	—
Department of Art.....	4,687 50	—	—
Department of Music.....	8,437 04	—	—
Department of Physical Education.....	19,534 20	—	—
Manual Training and Pre-Vocational Work....	32,437 79	—	—
Teachers of Sewing.....	13,014 34	—	—
Teachers of Cooking.....	1,387 50	—	—
Teacher of Stammerers.....	1,495 50	—	—
Teachers of Vision Class.....	2,691 00	—	—
Teacher of Lip Reading.....	1,495 52	—	—
Opportunity Class.....	2,324 60	—	—
Teachers at Museum.....	3,360 00	—	—
Superintendent.....	5,775 00	—	—
Assistant Superintendent.....	3,750 00	—	—
Supervisor of Primary Schools.....	2,100 00	—	—
Supervisor of Kindergartens.....	2,100 00	—	—
Business Agent.....	2,812 50	—	—
Superintendent of School Buildings and Grounds	2,362 50	—	—
Clerks.....	13,669 00	—	—
Storekeeper and Assistant.....	2,043 00	—	—
Supervisors of Attendance.....	12,656 72	—	—
Test and Measurements.....	500 00	—	—
Teachers' Examinations.....	245 60	—	—
Total.....	\$1,128,912 08	15,434	\$73 14
Cost of instruction in the Evening Industrial School.....			\$1,448 36
Cost of instruction in the Evening Freehand Drawing School.....			85 50
Cost of instruction in the Evening Elementary Schools.....			5,632 00
Cost of instruction in the Evening Practical Arts School for Girls.....			694 29
Cost of instruction in the Evening High School.....			3,866 00
Total.....			\$11,726 15
Cost of instruction in Vacation High School.....			\$8,935 00
Cost of instruction in Americanization.....			4,072 50
Cost of instruction in Vacation Open Air Camps.....			29,284 00

COST OF INSTRUCTION IN THE DAY SCHOOLS

*Salaries of Teachers, Superintendents, Supervisors, Agent, Clerks,
and Supervisors of Attendance*

YEAR	Number of Teachers in December	Number of Pupils in December	Average Number of Pupils for Year ending in June	Total Cost	Cost per Pupil
1922.....	568	16,773	16,092	\$1,008,953 06	\$32 69
1923.....	561	16,818	16,123	1,139,397 99	70 66
1924.....	581	16,463	16,375	1,161,322 26	70 98
1925.....	587	16,564	16,162	1,178,596 17	72 92
1926.....	616	16,352	16,064	1,255,796 99	78 17
1927.....	611	16,108	16,088	1,305,426 36	81 21
1928.....	609	15,747	15,689	1,340,153 39	85 47
1929.....	623	15,593	15,309	1,402,658 40	91 62
1930.....	648	15,610	15,392	1,437,718 25	93 41
1931.....	678	16,044	15,434	1,128,912 08	70 36

COST OF THE DAY SCHOOLS

*Cost of Instruction, of Textbooks and Supplies, of Incidental Expenses, of
the Care of Truants, of the Care of Schoolhouses, and of the
Transportation of Pupils, but not including Repairs*

YEAR	Number of Teachers in December	Number of Pupils in December	Average Number of Pupils for Year ending in June	Total Cost	Cost per Pupil
1922.....	568	16,773	16,092	\$1,233,345 66	\$76 64
1923.....	561	16,818	16,123	1,384,570 78	85 87
1924.....	581	16,463	16,375	1,401,345 17	85 58
1925.....	587	16,564	16,162	1,453,326 52	89 92
1926.....	616	16,352	16,064	1,546,169 47	96 29
1927.....	611	16,108	16,088	1,627,409 08	101 16
1928.....	609	15,747	15,689	1,713,253 68	109 20
1929.....	623	15,593	15,309	1,807,840 36	118 09
1930.....	648	15,610	15,392	1,848,685 67	133 10
1931.....	678	16,044	15,434	1,481,394 95	92 33

COST OF INSTRUCTION IN THE EVENING SCHOOLS

YEAR	Drawing	Industrial	High	Elementary	Total
1926-1927.....	\$1,168 00 ¹	\$5,718 50 ¹	\$4,061 00	\$12,829 00	\$23,776 50 ¹
1927-1928.....	781 50 ²	6,289 50 ²	5,181 00	13,616 00	25,868 00 ²
1928-1929.....	634 50 ³	5,158 50 ³	4,491 00	10,415 00	20,699 00 ³
1929-1930.....	765 00 ⁴	5,421 00 ⁴	6,073 00	10,871 50	23,130 50 ⁴
1930-1931.....	738 00 ⁵	5,563 25 ⁵	7,395 00	11,385 50	25,481 75 ⁵

GENERAL STATISTICS

Population of Cambridge

1900.....	91,886	1920.....	109,694
1910.....	104,839	1930.....	113,643

NUMBER OF TEACHERS IN THE DAY SCHOOLS

DECEMBER	High and Latin School	Rindge Technical School	Elementary Schools	Kindergartens	Continuation School	Directors and Special Teachers	Total
1927.....	113	48	371	37	8	34	611
1928.....	117	49	363	38	8	34	609
1929.....	124	50	373	35	7	34	623
1930.....	126	54	385	39	8	36	648
1931.....	133	61	396	40	7	41	678

¹ This amount includes \$744.82 received from Smith-Hughes Fund.² This amount includes \$700.91 received from Smith-Hughes Fund.³ This amount includes \$687.17 received from Smith-Hughes Fund.⁴ This amount includes \$562.05 received from Smith-Hughes Fund.⁵ This amount includes \$491.46 received from Smith-Hughes Fund.

ATTENDANCE AT ALL THE DAY SCHOOLS

YEAR	NUMBER REGISTERED			Average Number Belonging	Average Daily Attend- ance	Per Cent of Attend- ance
	Boys	Girls	Total			
1927.....	9,013	8,575	17,588	16,088	14,929	92.7
1928.....	8,716	8,307	17,023	15,689	14,549	92.7
1929.....	8,749	8,181	16,930	15,309	14,328	93.6
1930.....	8,724	8,051	16,775	15,392	14,521	94.3
1931.....	8,830	7,960	16,790	15,434	14,196	91.9

ATTENDANCE AT THE HIGH AND LATIN SCHOOL

YEAR	NUMBER REGISTERED			Average Number Belonging	Average Daily Attend- ance	Per Cent of Attend- ance
	Boys	Girls	Total			
1927.....	1,025	1,806	2,831	2,620	2,458	93.5
1928.....	970	1,859	2,829	2,585	2,456	95.0
1929.....	936	1,779	2,715	2,563	2,377	92.7
1930.....	993	1,834	2,827	2,603	2,453	94.2
1931.....	1,036	1,816	2,852	2,607	2,438	93.5

ATTENDANCE AT THE RINDGE TECHNICAL SCHOOL

YEAR	Number of Pupils Registered	Average Number Belonging	Average Daily Attendance	Per Cent of Attendance
1927.....	947	827	758	91.6
1928.....	958	883	808	91.5
1929.....	1,023	921	849	92.1
1930.....	1,137	1,000	931	93.1
1931.....	1,236	1,115	1,032	92.5

ATTENDANCE AT THE GRAMMAR SCHOOLS

YEAR	NUMBER REGISTERED			Average Number Belonging	Average Daily Attendance	Per Cent of Attendance
	Boys	Girls	Total			
1927.....	3,746	3,688	7,434	6,905	6,518	94.4
1928.....	3,641	3,449	7,090	6,701	6,360	96.4
1929.....	3,619	3,369	6,988	6,406	6,218	97.0
1930.....	3,401	3,260	6,661	6,223	5,955	95.6
1931.....	3,363	3,072	6,435	6,177	5,836	94.5

ATTENDANCE AT THE PRIMARY SCHOOLS

YEAR	NUMBER REGISTERED			Average Number Belonging	Average Daily Attendance	Per Cent of Attendance
	Boys	Girls	Total			
1927.....	2,665	2,431	5,096	4,745	4,327	91.1
1928.....	2,583	2,332	4,915	4,578	4,121	90.0
1929.....	2,559	2,390	4,949	4,452	4,082	91.7
1930.....	2,573	2,381	4,954	4,572	4,374	95.6
1931.....	2,582	2,439	5,021	4,583	4,133	90.2

ATTENDANCE AT THE KINDERGARTENS

YEAR	NUMBER REGISTERED			Average Number Belonging	Average Daily Attendance	Per Cent of Attendance
	Boys	Girls	Total			
1927.....	630	650	1,280	983	868	88.3
1928.....	564	667	1,231	942	804	85.4
1929.....	612	643	1,255	967	802	82.9
1930.....	620	576	1,196	994	808	81.3
1931.....	613	633	1,246	952	757	80.6

NUMBER OF PUPILS ADMITTED TO THE LOWEST GRADE OF THE HIGH AND LATIN SCHOOL

SEPTEMBER	Boys	Average Age	Girls	Average Age
1927.....	277	13 years 7 months	559	13 years 10 months
1928.....	238	14 years 3 months	540	14 years 3 months
1929.....	256	13 years 11 months	586	14 years 1 month
1930.....	263	14 years 2 months	521	14 years 4 months
1931.....	291	13 years 0 months	574	14 years 4 months

NUMBER OF PUPILS GRADUATED FROM THE HIGH AND LATIN SCHOOL

YEAR	Boys	Average Age	Girls	Average Age
1927.....	159	17 years 5 months	225	17 years 9 months
1928.....	164	17 years 9 months	275	18 years 1 month
1929.....	130	17 years 10 months	264	18 years 1 month
1930.....	184	18 years 1 month	469	18 years 2 months
1931.....	173	18 years 1 month	301	18 years 2 months

NUMBER OF PUPILS ADMITTED TO THE LOWEST GRADE OF THE RINDGE TECHNICAL SCHOOL, WITH THE NUMBER OF GRADUATES

SEPTEMBER	Admitted	Average Age	Graduated in June	Average Age
1927.....	476	14 years 5 months	119	18 years 3 months
1928.....	463	14 years 10 months	92	18 years 4 months
1929.....	504	14 years 8 months	113	18 years 2 months
1930.....	508	14 years 10 months	137	17 years 11 months
1931.....	463	14 years 9 months	150	18 years 3 months

NUMBER OF PUPILS GRADUATED FROM THE GRAMMAR SCHOOLS

JUNE	Boys	Average Age	Girls	Average Age
1927.....	510	14 years 3 months	559	14 years 2 months
1928.....	508	14 years 4 months	533	14 years 1 month
1929.....	569	14 years 4 months	557	14 years 1 month
1930.....	533	14 years 4 months	444	14 years 9 months
1931.....	503	14 years 2 months	479	14 years 0 months

NUMBER OF PUPILS COMPLETING THE PRIMARY COURSE OF STUDY

YEAR	Boys	Average Age	Girls	Average Age
1927.....	661	9 years 5 months	597	9 years 2 months
1928.....	508	9 years 4 months	570	9 years 4 months
1929.....	581	9 years 8 months	545	9 years 8 months
1930.....	590	9 years 3 months	573	9 years 2 months
1931.....	599	9 years 4 months	615	9 years 3 months

LENGTH OF TIME IN COMPLETING THE COURSE OF STUDY IN THE GRAMMAR SCHOOLS

YEAR	In Four Years or Less	In Five Years	In Six Years	In More than Six Years
1927.....	12 per cent	65 per cent	19 per cent	4 per cent
1928.....	7 per cent	69 per cent	21 per cent	3 per cent
1929.....	7 per cent	67 per cent	22 per cent	4 per cent
1930.....	5 per cent	67 per cent	24 per cent	4 per cent
1931.....	3 per cent	71 per cent	22 per cent	4 per cent

LENGTH OF TIME IN COMPLETING THE COURSE OF STUDY IN THE PRIMARY SCHOOLS

YEAR	In Less than Three Years	In Three Years	In Four Years	In More than Four Years
1927.....	1 per cent	57 per cent	29 per cent	12 per cent
1928.....	3 per cent	59 per cent	25 per cent	13 per cent
1929.....	2 per cent	63 per cent	23 per cent	12 per cent
1930.....	2 per cent	68 per cent	22 per cent	8 per cent
1931.....	3 per cent	59 per cent	26 per cent	12 per cent

NUMBER OF PUPILS IN THE HIGH AND LATIN SCHOOL, DECEMBER, 1931

YEAR	Boys	Girls	Total	Per Cent
Post Graduate.....	75	80	155	.054
Twelfth.....	168	317	485	.170
Eleventh.....	228	379	607	.214
Tenth.....	241	508	749	.262
Ninth.....	293	565	858	.300
Total.....	1,005	1,849	2,854	—

NUMBER OF PUPILS IN THE RINDGE TECHNICAL SCHOOL, DECEMBER, 1931

(This school is for boys only. It became a part of the public system January 1, 1899)

YEAR	Boys	Per Cent
Post Graduate.....	25	.021
Twelfth.....	161	.134
Eleventh.....	235	.196
Tenth.....	357	.298
Ninth.....	421	.351
Total.....	1,199	—

NUMBER OF PUPILS IN THE GRAMMAR SCHOOLS, DECEMBER, 1931

YEAR	Boys	Girls	Total	Per Cent
Eighth.....	629	567	1,196	.190
Seventh.....	643	604	1,247	.198
Sixth.....	604	571	1,175	.187
Fifth.....	656	638	1,294	.205
Fourth.....	692	697	1,389	.220
Total.....	3,224	3,077	6,301	—

NUMBER OF PUPILS IN THE PRIMARY SCHOOLS, DECEMBER, 1931

YEAR	Boys	Girls	Total	Per Cent
Third.....	938	877	1,815	.393
Second.....	770	689	1,459	.316
First.....	690	656	1,346	.291
Total.....	2,398	2,222	4,620	—

NUMBER OF PUPILS AND TEACHERS IN THE KINDERGARTENS

YEAR	Boys	Girls	Total	Number of Teachers
1927.....	512	581	1,093	37
1928.....	529	563	1,092	38
1929.....	549	516	1,065	35
1930.....	510	527	1,037	39
1931.....	568	502	1,070	40

NUMBER OF AGE AND SCHOOLING CERTIFICATES ISSUED

1926	1927	1928	1929	1930	1931
1,069	1,011	1,302	1,084	950	522
4,852 ¹	4,299	4,635	4,933 ¹	3,214 ¹	2,654 ¹

¹ Issued to minors over sixteen years of age.

SUMMARY

Number of Pupils Belonging in December, 1931

Number of pupils in the High and Latin School.....	2,846
Number of pupils in the Rindge Technical School.....	1,199
Number of pupils in the Grammar Grades.....	5,905
Number of pupils in the Primary Grades.....	4,372
Number of pupils in the Kindergarten.....	1,070
Number of pupils in the Open Air Classes.....	205
Number of pupils in Special Classes.....	297
Number of pupils in the Ungraded Classes.....	150
Number of pupils in the public schools, December, 1931.....	16,044
Number of pupils in the public schools, December, 1930.....	15,610
Increase of pupils, December, 1931.....	434
Increase of pupils, 1921.....	867
Increase of pupils, 1922.....	237
Increase of pupils, 1923.....	45
Decrease of pupils, 1924.....	355
Increase of pupils, 1925.....	101
Decrease of pupils, 1926.....	212
Decrease of pupils, 1927.....	244
Decrease of pupils, 1928.....	361
Decrease of pupils, 1929.....	154
Increase of pupils, 1930.....	17
Increase of pupils, 1931.....	434

NUMBER OF PUPILS REGISTERED IN THE EVENING DRAWING SCHOOLS,
WITH THE AVERAGE ATTENDANCE

	1927-1928	1928-1929	1929-1930	1930-1931
Number registered.....	58	66	78	68
Average attendance.....	27	31	39	35

NUMBER OF PUPILS REGISTERED IN THE EVENING INDUSTRIAL
SCHOOL, WITH THE AVERAGE ATTENDANCE

	1927-1928	1928-1929	1929-1930	1930-1931
Number registered.....	351	452	383	394
Average attendance.....	164	193	190	192

NUMBER OF PUPILS REGISTERED IN THE EVENING HIGH SCHOOL,
WITH THE AVERAGE ATTENDANCE

	1927-1928	1928-1929	1929-1930	1930-1931
Number registered.....	775	805	996	1,155
Average attendance.....	412	476	457	537

NUMBER OF PUPILS REGISTERED IN THE EVENING ELEMENTARY
SCHOOLS, WITH THE AVERAGE ATTENDANCE¹

	1927-1928	1928-1929	1929-1930	1930-1931
Number registered.....	1,303	1,464	1,437	1,271
Average attendance.....	679	736	758	709

¹ Including the Evening Trade School for Women.

STATISTICS FOR BOYS' CONTINUATION SCHOOL

Number enrolled to January 1.....	186
Number returned to regular schools.....	8
Number discharged by reaching sixteenth birthday to January 1.....	16
Number discharged to other towns to January 1.....	18
Number of full-time pupils on January 1.....	10

Number of Boys in Each Grade, Enrolled to January 1

Grade 5.....	2
Grade 6.....	8
Grade 7.....	31
Grade 8.....	60
High School.....	85
Average grade of total enrollment for 1931.....	8.2

STATISTICS FOR GIRLS' CONTINUATION SCHOOL

Number enrolled to January 1.....	286
Number returned to regular schools.....	6
Number discharged by reaching sixteenth birthday to January 1.....	75
Number discharged to other towns to January 1.....	29
Number of full-time pupils on January 1.....	9

Number of Girls in Each Grade, Enrolled to January 1

Grade 5.....	3
Grade 6.....	9
Grade 7.....	73
Grade 8.....	52
High School	149
Average grade of total enrollment for 1931.....	8.3

VACATION SCHOOLS

JULY 6, 1931 TO AUGUST 6, 1931

Statistics

CENTRAL DAY CAMP

(High and Latin School Building)

Number enrolled.....	623
Average number belonging.....	485
Average number attending.....	410
Number of days school was in session.....	24
Per cent of attendance.....	85

FRESH POND DAY CAMP

(Haggerty School Building)

Number enrolled.....	524
Average number belonging.....	426
Average number attending.....	386
Number of days school was in session.....	24
Per cent of attendance.....	91

HOUGHTON DAY CAMP

(Houghton School Building)

Number enrolled.....	810
Average number belonging.....	610
Average number attending.....	539
Number of days school was in session.....	24
Per cent of attendance.....	88

ST. MARY'S DAY CAMP

(St. Mary's Gymnasium)

Number enrolled.....	661
Average number belonging.....	537
Average number attending.....	464
Number of days school was in session.....	24
Per cent of attendance.....	86

VACATION SCHOOLS — Concluded

THORNDIKE DAY CAMP

(Thorndike School Building)

Number enrolled	1328
Average number belonging	829
Average number attending	693
Number of days school was in session	24
Per cent of attendance	84

WYMAN DAY CAMP

(Wyman Open Air School Building)

Number enrolled	648
Average number belonging	568
Average number attending	469
Number of days school was in session	24
Per cent of attendance	83

DAY'S PROGRAM FOR THE DAY CAMPS

A.M.

- 8.45 Children meet group teacher at starting point for transportation to the school
- 9.30 Opening of school; roll call.
- 9.35 Assembly exercises; setting-up drill; corrective gymnastics; baths.
- 10.00 Morning lunch of crackers and milk.
- 10.05 Bird walks, nature trips, supervised play.
- 11.30 Rest period in grove.

P.M.

- 12.10 Wash-up period
- 12.20 Dinner.
- 1.20 Tooth brush drill.
- 1.40 Short rest period in grove.
- 2.00 Games, walks, etc., in park.
- 2.45 Shower baths at school.
- 3.00 Grouping for transportation.
- 3.15 Afternoon lunch of crackers and milk.
- 3.30 Dismissal (children accompanied on homeward trip by teacher).

A vacation school was also opened in the English High Building for the benefit of the pupils of the freshman and sophomore classes who failed of promotion. The school opened on July 6, and continued until August 7. Nine hundred and twenty-eight pupils were registered under the charge of seventy-one teachers. The average attendance for the five weeks was seven hundred and ninety-six.

A vacation school was opened in the English High Building for the benefit of the pupils of the eighth grades who failed in two subjects. The school opened July 6 and continued until August 7. Forty-one pupils were registered under the charge of three teachers. The average attendance for the five weeks was thirty-three.

ATTENDANCE AT THE EVENING SCHOOLS, 1930-1931

SCHOOLS	NUMBER REGISTERED			Average Number Belonging	Average Attend- ance	Per Cent of Attend- ance
	Males	Females	Total			
Rindge Industrial Classes	326	—	326	201	156	78
Architectural Drawing	22	—	22	16	13	82
Mechanical Drawing Classes	32	—	32	22	16	74
Freehand Drawing Classes	14	—	14	9	6	67
Evening High School	502	653	1,155	697	537	77
Ellis School	45	45	90	66	52	79
Haggerty School	40	71	111	71	55	77
Kelley School	87	152	239	178	139	78
Putnam School	51	65	116	96	84	88
Roberts School	90	92	182	116	89	77
Thorndike School	99	66	165	135	116	86
Webster School	80	116	196	135	105	78
Women's Practical Arts School	—	172	172	89	69	78
Total	1,388	1,432	2,820	1,831	1,437	78

COST OF THE EVENING SCHOOLS, 1930-1931

SCHOOLS	Salaries of Teachers	Cost of Janitor Service	Cost of Text-books and Supplies	Total	Cost per Pupil
Rindge Industrial Classes	\$3,333 00	\$533 00	\$771 34	\$4,637 34	\$23 07
Mechanical Drawing Classes	517 88	82 00	—	599 88	15 78
Freehand Drawing Classes	184 50	41 00	—	225 50	25 05
Evening High School	7,419 00	652 31	146 88	8,218 19	11 65
Ellis School	916 00	131 00	12 81	1,059 81	16 06
Haggerty School	1,060 00	166 00	5 96	1,231 96	17 35
Kelley School	2,056 00	213 50	52 30	2,321 80	13 10
Putnam School	1,528 00	155 00	3 94	1,686 94	17 57
Roberts School	1,742 50	278 25	15 06	2,035 81	17 55
Thorndike School	1,401 50	272 50	9 86	1,683 86	12 47
Webster School	1,686 00	281 50	30 34	1,997 84	14 80
Women's Practical Arts School	1,806 41	217 44	100 61	2,124 46	23 87
Americanization Classes	2,442 00	407 50	79 97	2,929 47	5 84
Agassiz Center	292 50	—	—	292 50	—
Director	500 00	—	—	500 00	—
Telephone Operator	147 00	—	—	147 00	—
Total	\$27,032 29	\$3,431 00	\$1,229 07	\$31,692 36	\$17 42

NUMBER OF ASSISTANT TEACHERS IN THE EVENING SCHOOLS, 1930-1931

SCHOOLS	AVERAGE NUMBER OF ASSISTANT TEACHERS	
	1929-1930	1930-1931
Rindge Industrial Classes.....	13	12
Rindge Drawing Classes.....	3	4
Freehand Drawing Classes.....	1	1
Evening High School.....	30	42
Ellis School.....	4	6
Haggerty School.....	8	8
Kelley School.....	15	16
Putnam School.....	9	9
Roberts School.....	8	10
Thorndike School.....	10	8
Webster School.....	9	13
Women's Practical Arts School.....	10	10
Total.....	120	139

NUMBER OF GRADUATES IN THE EVENING SCHOOLS, 1930-1931

SCHOOLS	NUMBER OF GRADUATES	
	1929-1930	1930-1931
Rindge Industrial Classes.....	19	35
Mechanical Drawing Class.....	0	0
Freehand Drawing Class.....	1	1
Evening High School.....	104	120
Ellis School.....	18	14
Haggerty School.....	9	8
Kelley School.....	16	14
Putnam School.....	22	24
Roberts School.....	18	10
Thorndike School.....	—	—
Webster School.....	25	40
Total.....	232	266

ATTENDANCE AT THE STATE-AIDED CLASSES, 1930-1931

SCHOOLS	NUMBER REGISTERED			Average Number Belonging	Average Attend- ance	Per Cent of Attend- ance
	Males	Females	Total			
Rindge School:						
<i>a.</i> Industrial Classes . .	326	—	326	201	156	78
<i>b.</i> Drawing Classes . . .	68	—	68	47	36	77
Rindge School Totals . . .	394	—	394	248	192	77
Practical Arts	—	172	172	89	69	78
Total	394	172	566	337	261	77

ATTENDANCE AT THE INDUSTRIAL CLASSES, 1930-1931

(For women in the elementary schools)

SCHOOLS	Number Registered	Average Number Belonging	Average Attendance	Per Cent of Attendance
Ellis School	22	15	11	73
Haggerty School	44	29	22	76
Kelley School	96	71	53	74
Roberts School	27	17	13	76
Thorndike School	46	37	28	76
Webster School	56	38	30	79
Total	291	207	157	76

BUILDINGS USED FOR EVENING SCHOOL PURPOSES

SCHOOLS	CLASSES
Rindge School:	
a. Industrial Classes	Woodwork, ironwork, printing, mechanical drawing, architectural drawing, electricity, estimating, gas engine and auto repair work.
b. Drawing Classes	Freehand drawing.
High School	Academic, commercial.
Ellis, Haggerty, Kelley, Putnam, Roberts, Thorndike, Webster Schools	English for foreigners, grammar school work, dressmaking, embroidery, civil service.
Women's Practical Arts School	Cooking, embroidery, sewing, millinery.

SIGHT AND HEARING TESTS

	1928	1929	1930	1931
Number enrolled	15,721	15,309	15,845	16,143
Number defective in sight	1,598	1,374	1,340	1,699
Number defective in hearing	253	256	248	359
Number of parents notified	1,449	1,445	1,174	1,670

SUMMARY OF THE ATTENDANCE OFFICERS' REPORTS, SEPTEMBER, 1930,
TO SEPTEMBER, 1931

Number of absences investigated	14,672
Truancy, first offence	761
Truancy, third offence	176
Children found wandering about the streets not belonging to any school . . .	92
Such children sent to school	91
Visits to mercantile and manufacturing establishments	313
Children employed without certificates	105

CONTAGIOUS DISEASES REPORTED TO THE SCHOOLS BY THE ATTENDANCE OFFICERS, JANUARY 1, 1931, TO JANUARY 1, 1932

Encephalitis lethargica.....	2
Influenza.....	97
Lobar pneumonia.....	211
Chicken pox.....	566
Diphtheria.....	54
Measles.....	412
Mumps.....	267
Scarlet fever.....	516
Whooping cough.....	320
German measles.....	45
Infantile paralysis.....	21
Cerebrospinal meningitis.....	3
Septic sore throat.....	9
Typhoid fever.....	6
Total.....	2,529

STATISTICS OF THE PRIVATE AND PAROCHIAL SCHOOLS TAKEN BY THE ATTENDANCE OFFICERS, OCTOBER 1, 1930

Ten Parochial Schools, with an enrollment of	7,129
Six Private Schools, with an enrollment of.....	490
Total.....	7,619

TABULAR VIEW

SCHOOLS AND TEACHERS	Grade	Where Graduated, Highest Institution; also Other Courses	Date of Appointment
HIGH AND LATIN SCHOOL			
Leslie L. Cleveland.....	Headmaster.....	Williams College, A.B....	Jan. 1910
Thomas L. Bramhall.....	Assistant Headmaster	Harvard University, A.B.	Sept. 1910
Timothy F. Downey.....	Assistant Headmaster	Harvard University, A.B. (Special Courses)	Sept. 1912
Chester M. Bliss.....	Assistant Headmaster	Amherst College, A.B., A.M.	Sept. 1907
Edward J. Danehy.....	Master	Boston College, A.B., Mass. Inst. of Tech., S.B.	Sept. 1924
James H. Leonard.....	Master.....	Harvard University, A.B. (Special Courses)	Sept. 1915
Elizabeth M. Driscoll....	Dean.....	Boston University, A.B., A.M.	Mar. 1914
Ethel G. McElroy.....	Dean.....	Radcliffe College, A.B., A.M., (Special Courses) .	Sept. 1911
Mary E. Murray.....	Dean.....	Radcliffe College, A.B., A.M., Harvard Univer- sity, Ed.M.	Sept. 1908
Hilda F. Russell.....	Dean.....	Wellesley College, A.B., (Special Courses*)	Sept. 1912
Anna P. Butler.....	Headmaster's Assistant	Trinity College, A.B., Boston University, A.M.* Boston College, Ph.D.	Sept. 1909
George H. Cain.....	Headmaster's Assistant	Potomac College, A.B., (Special Courses)	Sept. 1909
Joseph A. Donovan.....	Headmaster's Assistant	Mass. Inst. of Tech., S.B.	Sept. 1923
Mabel A. Harrington....	Headmaster's Assistant	North Adams Normal School (Special Courses)	April 1920
Margaret A. Lynch.....	Headmaster's Assistant	Boston Normal School; Boston University, B.S. in Ed.; A.M. (Special Courses)	Mar. 1926
Henrietta E. McIntire ..	Headmaster's Assistant	Radcliffe College, A.B., A.M.	Sept. 1891
Albert M. Sateriale	Headmaster's Assistant	Harvard University, A.B.	Jan. 1921
Madeleine L. Slade.....	Headmaster's Assistant	Salem Normal School (Special Courses)	Sept. 1917
Cecil T. Derry†.....	Master's Assistant ...	Harvard University, A.B., A.M., (Special Courses)	Oct. 1905
Mary C. Hardy.....	Master's Assistant ...	Smith College, A.B.	Dec. 1891
Lillian R. Hartigan.....	Master's Assistant ...	Emerson College of Ora- tory,* B.L.I. (Special Courses)	June 1915
Helen F. Morton.....	Master's Assistant....	Mass. Normal Art School and Mass. Normal Art School, B.S.E. (Special Courses)	April 1914
Mary V. Ayers.....	Teacher.....	Emmanuel College, A.B., A.M. (Special Courses)..	Sept. 1929

* Attended the Wellington Training School.

† Resigned June, 1911, and reappointed September, 1912.

TABULAR VIEW — Continued

SCHOOLS AND TEACHERS	Grade	Where Graduated, Highest Institution; also Other Courses	Date of Appointment
HIGH AND LATIN SCHOOL — Con.			
Alice C. Baldwin	Teacher	Wellesley College, A.B., Columbia University, A.M., (Special Courses)	Sept. 1895
Margaret M. Ball	Teacher	Lawrence University, Wis., A.B., (Special Courses)	Feb. 1912
Mary E. Barry	Teacher	Boston University, B.S.E. (Special Courses)	Sept. 1928
Mary J. Barry	Teacher	Emmanuel College, A.B. Boston College, A.M.	Sept. 1929
Mary P. Bligh	Teacher	Westfield Normal School Boston University, B.S. in Ed.; Harvard University, Ed.M.	Oct. 1924
Margaret S. Bradbury . . .	Teacher	Radcliffe College, A.B.,* (Special Courses)	Jan. 1902
Mary R. Breau	Teacher	Framingham Normal School, (Special Courses)	Jan. 1924
Alice M. Brown	Teacher	Boston Normal School of Gymnastics	Sept. 1910
Natalie A. Browning . . .	Teacher	Radcliffe College, A.B. (Special Courses*)	Sept. 1916
Theresa A. Buckley	Teacher	Emmanuel College, A.B., Boston College, A.M. (Special Courses in Sewing)	Sept. 1929 Oct. 1907
Katharine A. Burke	Teacher	Boston College, A.B., A.M.	June 1930
Frank J. Carney	Teacher	Radcliffe College, A.B. . . .	Sept. 1908
Ethel E. Carr	Teacher	Radcliffe College, A.B., Boston University, A.M. Sorbonne Certificate, University of Grenoble, France, Certificate	Sept. 1929
Georgianna G. Chafe . . .	Teacher	Boston University, A.B., A.M.	Jan. 1894
Bertha L. Cogswell	Teacher	Kindergarten Training School; (Special Courses)	Sept. 1929
Viola M. Collins	Teacher	Radcliffe College, A.B., (Special Courses)	Sept. 1923
Helen B. Colson	Teacher	Bryant & Stratton (Special Courses)	Dec. 1926
Bertha A. Conlan	Teacher	(Special Commercial Courses)	Jan. 1924
Elizabeth M. Conlin	Teacher	Simmons College, S.B. (Special Courses)	Jan. 1928
Anastasia M. Connell . . .	Teacher	Emmanuel College, A.B., (Special Courses)	June 1930
Katharine F. Connell . . .	Teacher		

* Attended the Wellington Training School.

TABULAR VIEW — Continued

SCHOOLS AND TEACHERS	Grade	Where Graduated, Highest Institution; also Other Courses	Date of Appointment
HIGH AND LATIN SCHOOL — Con.			
Madeleine C. Connelly..	Teacher.....	Emerson College of Oratory, B.L.I. (Special Courses).....	Dec. 1930
Jessie L. Cossaboom.....	Teacher.....	Burdett College, Portia Law School, LL.B.....	Sept. 1931
Charles L. Côté	Teacher.....	Boston College, A.B.	Nov. 1923
Olive L. Cox.....	Teacher.....	Boston University, B.B.A. (Special Courses).....	Jan. 1924
Grace A. Coyle.....	Teacher.....	Radcliffe College, A.B., Boston University, A.M.	Sept. 1912
Anna R. Crane.....	Teacher.....	Emmanuel College, A.B. (Special Courses)	June 1930
Gertrude H. Crook.....	Teacher.....	Boston University, A.B., Radcliffe College, A.M...	Sept. 1896
William J. Cunningham..	Teacher.....	Harvard University, A.B.	Sept. 1927
John J. Danahy.....	Teacher.....	Boston College, A.B., (Special Courses)	Feb. 1927
Florence B. Davey.....	Teacher.....	Trinity College, Washington, D. C., A.B. (Special Courses).....	April 1926
Grace E. Dennett.....	Teacher.....	Radcliffe College, A.B., A.M., Simmons College, S.B.....	Sept. 1909
Christopher E. Dinsmore	Teacher.....	Boston College, A.B., (Special Courses)	Sept. 1929
Esther S. Dodge.....	Teacher.....	Boston University, A.B...	Oct. 1897
Ellen C. Doherty.....	Teacher.....	Radcliffe College, A.B. (Special Courses)*.....	Sept. 1915
Marjorie J. Doherty.....	Teacher.....	Notre Dame Academy (Special Courses).....	April 1926
Sarah Dolan.....	Teacher.....	Radcliffe College, A.B., A.M. (Special Courses).	Sept. 1916
Agnes G. Donovan.....	Teacher.....	Bryant & Stratton Commercial College (Special Courses).....	Sept. 1921
J. Louis Doyle.....	Teacher.....	Mass. Normal Art School (Special Courses).....	Sept. 1922
Lillian E. Edgerly.....	Teacher.....	Bryant & Stratton Commercial College (Special Courses).....	Sept. 1916
Catherine A. Edmonds...	Teacher.....	Boston University, B.S. (Special Courses).....	Dec. 1930
William P. Elbery	Teacher.....	Boston College, A.B. (Special Courses).....	Dec. 1926
Grace A. Fair.....	Teacher.....	Radcliffe College, A.B.; A.M.; (Special Courses)	Sept. 1929
Florence M. Feeley.....	Teacher.....	Radcliffe College, A.B.* (Special Courses).....	Sept. 1915

*Attended the Wellington Training School.

TABULAR VIEW — Continued

SCHOOLS AND TEACHERS	Grade	Where Graduated, Highest Institution; also Other Courses	Date of Appointment
HIGH AND LATIN SCHOOL — Con.			
Sara L. Fisher.....	Teacher.....	Smith College, A.B., Harvard University, Ed.M.	Sept. 1910
Sarah Fishman.....	Teacher.....	Boston University, B.S.S. (Special Courses)	Dec. 1930
Elizabeth B. Flanders...	Teacher.....	Framingham Normal School.....	Sept. 1905
Garrett D. Foley.....	Teacher.....	Boston College, A.B. (Special Courses).....	Dec. 1924
William F. Foley.....	Teacher.....	Boston College, A.B. (Special Courses).....	Sept. 1925
Margaret E. Ford.....	Teacher.....	Radcliffe College, A.B. (Special Courses); University of Paris Certificate; Harvard University Ed.M.....	Oct. 1921
Mildred E. Ford.....	Teacher.....	Emerson College of Oratory, B.L.I.	Sept. 1928
Louis N. Fougere.....	Teacher.....	Little Rock, Ark., College, A.B., A.M.....	Apr. 1924
William M. Fraser.....	Teacher.....	Colby College (Special Courses)*.....	Oct. 1928
Margaret M. Friel†.....	Teacher.....	Maine State Certificate (Special Courses)	Sept. 1925
Helen Getchell.....	Teacher.....	Boston University, A.B. (Special Courses).....	Feb. 1923
George H. Glasheen	Teacher.....	Boston University, B.B.A. (Special Courses).....	Oct. 1914
Eleanor G. Groden.....	Teacher.....	Emmanuel College, A.B.	Dec. 1930
Josephine F. Hagarty....	Teacher.....	Bay Path Normal School, (Special Courses).....	Sept. 1918
Aileen A. Hagerty	Teacher.....	Jackson College, A.B. (Special Courses).....	Sept. 1922
H. Clayton Haley	Teacher.....	Boston College, A.B. (Special Courses)	Sept. 1929
Georgia Hardy.....	Teacher.....	Private Instruction (Special Courses).....	Sept. 1922
Charles G. Harrington...	Teacher.....	Boston College, A.B., Harvard, M.B.A., Suffolk Law School, LL.B.....	Oct. 1924
Ruth G. Harrington.....	Teacher.....	Simmons College, S.B....	Sept. 1925
Margaret J. Herlihy	Teacher.....	Radcliffe College, A.B. (Special Courses)	Sept. 1929
Harriet J. Hite.....	Teacher.....	Radcliffe College, A.B. (Special Courses).....	Oct. 1924
Rosemary Hogan.....	Teacher.....	Radcliffe College, A.B. (Special Courses).....	Sept. 1923
Elizabeth L. Huling.....	Teacher.....	Radcliffe College, A.B., A.M. (Special Courses)	Sept. 1905

* Taught previous to this and resigned.
† On leave of absence.

TABULAR VIEW — Continued

SCHOOLS AND TEACHERS	Grade	Where Graduated, Highest Institution; also Other Courses	Date of Appointment
HIGH AND LATIN SCHOOL — Con.			
Alice T. Kelley	Teacher	Radcliffe College, A.B. Harvard University, Ed.M.	April 1924
Sarah W. Kelly	Teacher	Wellesley College, A.B.	Feb. 1911
Ruth F. Keyes	Teacher	St. Elizabeth College, A.B., B.E., Boston Uni- versity, A.M. (Special Courses)	Oct. 1924
Cathryn E. Lovett	Teacher	Boston University, B.S.S. (Special Courses)	Sept. 1929
Olive I. Lynch	Teacher	Boston University, B.S.S. (Special Courses)	Sept. 1927
Leander MacDonald	Teacher	Bridgewater Normal School; Tufts, A.B. (Special Courses)	Sept. 1918
Ethel M. MacLeod	Teacher	Radcliffe College, A.B. (Special Courses)	Mar. 1906
Inez McCaffrey	Teacher	Radcliffe College, A.B., Harvard University, Ed.M.	Sept. 1915
Mary R. McCarthy	Teacher	Radcliffe College, A.B. Institut de Touraine, Tours, France, Diploma; McGill University French Summer School	Sept. 1914 Sept. 1907
Jane E. McKearin	Teacher	Wellesley College, A.B.*	Sept. 1907
Josephine A. McLaughlin	Teacher	Posse Normal School of Gymnastics (Special Courses)	Oct. 1916
Loretto A. Maguire	Teacher	Lowell Normal School (Special Courses)	Dec. 1926
M. Gertrude Mason	Teacher	Gorham, Me., Normal School (Special Courses)	Feb. 1912
Esther L. Miles	Teacher	Mt. Holyoke College, A.B.	Sept. 1921
Clarissa Morgan	Teacher	Simmons College, B.S. (Special Courses)	Oct. 1926
Esther E. Morse	Teacher	Boston University, A.B., A.M.; Harvard, Ed.M.	Sept. 1915
Alice E. Mullen	Teacher	Emmanuel College, A.B. (Special Courses)	Sept. 1926
Josephine M. Mullins	Teacher	Notre Dame Academy (Special Courses)	April 1927
Mary G. Murphy	Teacher	Radcliffe College, A.B., Emmanuel College, Ed.M. (Special Courses) Diploma, Sorbonne, France and L'institut de Phonetique, Paris	June 1930

* Attended the Wellington Training School

TABULAR VIEW — Continued

SCHOOLS AND TEACHERS	Grade	Where Graduated, Highest Institution; also Other Courses	Date of Appointment
HIGH AND LATIN SCHOOL — Con.			
John R. O'Connor	Teacher	Boston College, Ph.B., Ed.M. (Special Courses).	Sept. 1927
George F. Olesen	Teacher	Boston College, A.B. (Special Courses)	Dec. 1926
Rose G. O'Neil	Teacher	Emmanuel College, A.B. (Special Courses)	June 1930
Mary J. O'Shea	Teacher	Emmanuel College, A.B. (Special Courses)	Dec. 1930
Maurice E. Phelan	Teacher	Harvard, S.B. (Special Courses)	Jan. 1925
Eveline M. Quinn	Teacher	Emmanuel College, A.B. Boston University, A.M.	Sept. 1926
George F. Ritter	Teacher	Boston College, A.B. (Special Courses)	Nov. 1922
Eva M. Ruggli	Teacher	Radcliffe College, A.B. (Special Courses)	Feb. 1912
Catherine H. Russell	Teacher	Boston University, A.B. . .	Dec. 1930
Mary J. Ryan	Teacher	Lesley Normal School . . .	June 1930
Ethel V. Sampson	Teacher	Radcliffe College, A.B. (Special Courses)	Sept. 1899
Adele Schroder	Teacher	(Studied abroad; Special Courses)	Feb. 1916
John J. Sheehan	Teacher	Bridgewater Normal School, Boston College, Ph.B.; Boston Univer- sity, M.Ed. (Special Courses)	Sept. 1920
Florence W. Smith	Teacher	Radcliffe College, A.B. (Special Courses)	Oct. 1896
Annie F. Stratton	Teacher	Radcliffe College, A.B. (Special Courses)	Sept. 1899
Joseph C. Sullivan	Teacher	Boston College, A.B. (Special Courses)	Sept. 1923
Mary E. Sullivan	Teacher	Radcliffe College, A.B., Harvard University, Ed.M.	Sept. 1923
Mary C. Supple	Teacher	Radcliffe College, A.B. (Special Courses)	Sept. 1922
Clare L. Wait	Teacher	Smith College, A.B. (Special Courses)	Sept. 1926
Mary G. Walsh	Teacher	Emmanuel College, A.B. (Special Courses)	Sept. 1929
Alice A. Ward	Teacher	Sargent School of Physical Education; Tufts Pre- Medical School; Boston University, B.S. in Ed.; M.S. in Ed.	Sept. 1925

TABULAR VIEW — Continued

SCHOOLS AND TEACHERS	Grade	Where Graduated, Highest Institution; also Other Courses	Date of Appointment
HIGH AND LATIN SCHOOL — Con.			
Mabel D. Watson.....	Teacher.....	Radcliffe College, A.B. (Special Courses).....	Sept. 1901
Lillian A. Welsh.....	Teacher.....	Bay Path Institute.....	Sept. 1921
Katherine M. Whalen....	Teacher.....	Boston University, B.B.A. (Special Courses).....	Mar. 1924
Alice S. Willoughby.....	Teacher.....	Mass. Normal Art School (Special Courses).....	Mar. 1914
Mary Young.....	Teacher.....	Radcliffe College, A.B. (Special Courses).....	Sept. 1929
Helena K. Dunn.....	Permanent Substitute	Fitchburg Normal School, Radcliffe College, A.B....	Nov. 1921
RINDGE TECHNICAL SCHOOL			
John W. Wood, Jr.....	Headmaster.....	Harvard University, S.B., Ed.M. (Special Courses)	Jan. 1899
James F. Conlin.....	Assistant Headmaster	Harvard University, A.B., A.M.....	Feb. 1905
Francis T. McCabe.....	Master.....	University of Maine, S.B., Harvard University, Ed.M.....	Sept. 1922
John J. Garvey.....	Master's Assistant ...	Boston College, A.B.	Sept. 1923
Charles A. Linehan.....	Master's Assistant....	Harvard University, S.B.; Ed.M.; Suffolk Law School LL.B..	Sept. 1914
Henry C. Lynch.....	Master's Assistant....	Harvard University, A.B.; Northeastern University, LL.B.; University of Lyons, France, Certifi- cate (Special Courses)...	Sept. 1920
John Y. Murray.....	Master's Assistant....	Prince of Wales Normal School, Harvard Univer- sity, A.A.....	Sept. 1921
Edward A. Sullivan.....	Master's Assistant....	Boston College, A.B., A.M.	Sept. 1921
John J. Balfe.....	Teacher	Bridgewater Normal School, B.S. in Ed.; Har- vard University, Ed.M..	Oct. 1926
Frank H. Banks.....	Teacher.....	Common Schools.....	Sept. 1921
Caroline L. Blake.....	Teacher.....	Wheaton College, A.B. (Special Courses).....	Sept. 1894
Ingolf V. Bockmann....	Teacher.....	Norway Technical School (Special Courses).....	Feb. 1911
Edgar R. Breed.....	Teacher.....	Mass. Normal Art School, Suffolk Law School, LL.B.....	Nov. 1912
Vincent P. Burke.....	Teacher.....	Boston College, A.B. (Special Courses).....	April 1918

TABULAR VIEW — Continued

SCHOOLS AND TEACHERS	Grade	Where Graduated, Highest Institution; also Other Courses	Date of Appointment
RINDGE TECHNICAL SCHOOL — Con.			
Albert L. Coyne.....	Teacher.....	University of Maine, B.S. in Civil Engineering; Army School for Engineering Officers.....	Sept. 1931
Raymond G. D'Arcy.....	Teacher.....	Harvard University, A.B.; Ed.M.....	Oct. 1922
George F. Davison.....	Teacher.....	Malden High School, (Special Courses).....	April 1920
Manuel De Mello.....	Teacher.....	Lowell Institute.....	Sept. 1931
Frank J. Dennehy.....	Teacher.....	Boston College High School; Mass. Teachers' Training Course.....	Mar. 1931
Harry R. Eaton.....	Teacher.....	Massachusetts Normal Art School (Special Courses).....	Nov. 1927
John J. Gately.....	Teacher.....	Common Schools (Special Courses).....	Sept. 1921
Fred J. Giduz.....	Teacher.....	Mechanics Arts High School (Special Courses).....	Sept. 1931
Walter R. Gilbert.....	Teacher.....	Somerville Latin School (Special Courses).....	Sept. 1919
Kenneth W. Goepper.....	Teacher.....	Harvard College, A.B. Northeastern Law School, LL.B.; Boston University, Ed.M.....	Sept. 1922
George H. Gohlke.....	Teacher.....	University of Wisconsin, L.B.....	Sept. 1911
Walter H. Gomes.....	Teacher.....	Rindge Technical School (Special Courses).....	Mar. 1919
Evan W. Griffiths.....	Teacher.....	Harvard University, A.B., A.M., Northeastern Law School, LL.B.....	Sept. 1903
Harold A. Hawes.....	Teacher.....	Weymouth High School; Certificate, Mass. Teachers' Training Course....	Sept. 1931
John J. Healey.....	Teacher.....	Boston College, A.B. Suffolk Law School, LL.B. Harvard University; Ed.M.....	Dec. 1926
John F. J. Kelleher.....	Teacher.....	Boston College, A.B.; Notre Dame University, A.M.; (Special Courses).....	Dec. 1930
William J. Kelleher.....	Teacher.....	Boston College, A.B.....	Sept. 1924
Lester W. Ladd.....	Teacher.....	Harvard University, B.A.S. (Special Courses).....	Nov. 1911
James A. MacDonald...	Teacher.....	Rindge Technical School (Special Courses).....	Sept. 1925

TABULAR VIEW — Continued

SCHOOLS AND TEACHERS	Grade	Where Graduated, Highest Institution; also Other Courses	Date of Appointment
RINDGE TECHNICAL SCHOOL — Con.			
William H. Mahoney.....	Teacher.....	Boston College, Ph.B., Ed.M.....	Oct. 1928
James F. Manning.....	Teacher.....	Boston College, A.B.; (Special Courses).....	Dec. 1930
Herbert H. Marshall.....	Teacher.....	Hebron Academy.....	Nov. 1911
Joseph G. McKenna	Teacher.....	Boston College, Ph.B., M.S.....	June 1930
John J. McLaughlin....	Teacher.....	Massachusetts Normal Art School.....	Nov. 1927
Thomas J. McLaughlin..	Teacher.....	Rindge Technical School, Franklin Union Certifi- cate.....	Sept. 1929
William P. McLaughlin..	Teacher.....	Fordham University, A.B. Northeastern Law School, LL.B.....	Oct. 1921
John T. Mellen.....	Teacher.....	Rindge Evening School (Special Courses).....	Nov. 1927
Wilfred J. Metivier	Teacher.....	Holy Cross College, A.B., Boston Normal School..	June 1930
Saville Moore.....	Teacher.....	Common Schools (Special Courses).....	April 1921
Jane O. Mosher.....	Teacher.....	Boston University, A.B.* (Special Courses).....	Sept. 1911
Thomas J. Murphy.....	Teacher.....	Boston College, A.B., Notre Dame, A.M., (Special Courses).....	Sept. 1927
Joseph Nissen.....	Teacher.....	Mass. Inst. of Tech., B.S.; (Special Courses)	Dec. 1930
Vincent F. O'Connell....	Teacher.....	Boston College, A.B., A.M. (Special Courses)	June 1930
Charles L. O'Connor....	Teacher.....	Cambridge High School, (Special Courses).....	Sept. 1928
Frank J. O'Connor.....	Teacher.....	Mass. Inst. of Tech., B.S.; M.S. (Special Courses)..	Oct. 1930
Abbott O. Paine.....	Teacher.....	Rindge Manual Training School (Special Courses)	Sept. 1915
Leverett L. Preble.....	Teacher.....	(Common Schools, Special Courses).....	Sept. 1910
Charles H. Richert.....	Teacher.....	Mass. Normal Art School	Dec. 1905
Gertrude B. Rogers.....	Teacher.....	Tufts College, A.B.....	Feb. 1911
Timothy J. Ryan.....	Teacher.....	Boston College, A.B.	April 1927
Raymond F. Scott.....	Teacher.....	Boston College, A.B., A.M.	Oct. 1928
John E. Shea.....	Teacher.....	Boston College, A.B., (Special Courses).....	Mar. 1931
Michael J. Skinner.....	Teacher.....	Common Schools (Special Courses).....	Mar. 1923
Martin L. Tierney.....	Teacher.....	Boston College, Ph.B., Ed.M.	Dec. 1930

* Attended the Wellington Training School.

TABULAR VIEW — Continued

SCHOOLS AND TEACHERS	Grade	Where Graduated, Highest Institution; also Other Courses	Date of Appointment
RINDGE TECHNICAL SCHOOL—Con.			
William R. Wadden.....	Teacher.....	Harvard College, A.B. (Special Courses)	Sept. 1929
George A. Wickson.....	Teacher.....	Harvard College, A.B....	Sept. 1922
Edward F. Wiseman.....	Teacher.....	Tufts College, B.S.	Sept. 1927
Cornelius Sullivan.....	Tool Man.....	Common Schools.....	Sept. 1919
ABRAHAM LINCOLN SCHOOL			
Eli zabeth J. O’Keefe....	Principal.....	Hyannis Normal School.. Page Kindergarten School; Boston College, B.Ed.....	Oct. 1905
Alice M. Groden.....	VI.....	Bridgewater Normal School.....	Jan. 1924
Mary C. Nevins.....	V.....	Salem Normal School....	Sept. 1929
Veronica Kochanski....	IV.....	Salem Normal School (Special Courses).....	Sept. 1929
Gertrude T. Sullivan....	III.....	Salem Normal School* (Special Courses).....	Dec. 1902
Agnes K. Geary.....	III-II.....	Salem Normal School*...	Jan. 1909
Irene A. Hurley.....	II.....	Lowell Normal School....	June 1930
Kathleen A. O’Brien....	I.....	Lowell Normal School....	Jan. 1924
Lillian M. Tynes.....	I.....	Salem Normal School*...	Sept. 1913
AGASSIZ SCHOOL			
H. Warren Foss.....	Master.....	Colby College, A.B. (Special Courses).....	Sept. 1904
Lillian M. Cuddy.....	Master’s Assistant....	Salem Normal School* (Special Courses).....	Dec. 1904
Susan L. Senter.....	VII.....	Medway High School*	Sept. 1898
Marietta A. McNamara..	VI.....	(Attended Salem Normal School, Special Courses)	Nov. 1912
Ada M. Litchfield.....	V.....	Boston Normal School*..	May 1891
Edna M. Desellier.....	V-IV.....	Salem Normal School (Special Courses)	Sept. 1929
Clara W. Ruggli.....	IV.....	Bridgewater Normal School,* Radcliffe College, A.A.....	Sept. 1900
Lucy A. Roper.....	III.....	Salem Normal School*...	Sept. 1907
Rose M. Hill.....	III-II.....	Kindergarten Training School*.....	Sept. 1911
Winifred M. Linehan....	II.....	Lowell Normal School (Special Courses)	Sept. 1929
Margaret C. Fitzgerald..	I.....	Mass. Normal Art School.	Dec. 1916
Grace C. Stedman.....	I.....	Kindergarten Training School.....	May 1896
Katherine A. Doherty...	Special Teacher.....	Worcester Normal School	June 1930

* Attended the Wellington Training School.

TABULAR VIEW — Continued

SCHOOLS AND TEACHERS	Grade	Where Graduated, Highest Institution; also Other Courses	Date of Appointment
ELLIS SCHOOL			
Ernest Libby.....	Master.....	Bridgewater Normal School (Special Courses)	Sept. 1906
James H. Foley.....	Submaster.....	Boston College, Ph.B. (Special Courses).....	Sept. 1929
Katharine M. Greene....	Master's Assistant....	Salem Normal School* (Special Courses).....	Sept. 1904
Adelaide G. Bunker.....	VIII.....	Castine, Me., Normal School (Special Courses)	Nov. 1902
Mary A. Macklin.....	VIII.....	Salem Normal School* (Special Courses).....	Dec. 1902
Mary T. Cashman.....	VII.....	Salem Normal School* (Special Courses).....	Nov. 1915
Florence M. Dudley.....	VII.....	Salem Normal School*	Dec. 1897
M. Alice Mahoney.....	VII.....	Salem Normal School*	Sept. 1916
Anna G. Scannell.....	VI.....	Salem Normal School	Sept. 1905
Zita M. Fegan.....	V.....	Woodward Institute Conn. State Cert.	Mar. 1925
Anna C. Lennon.....	IV.....	Lowell Normal School (Special Courses).....	Dec. 1926
†Anna F. M. Gearon.....	Special Class.....	Rhode Island Training School (Special Courses).	Jan. 1925
Margaret M. Collins....	Special Class.....	Lowell Normal School (Special Courses).....	Sept. 1931
Anna Katz.....	Special Teacher.....	Salem Normal School (Special Courses).....	Oct. 1930
Esther R. Perry.....	Special Teacher.....	Salem Normal School (Special Courses).....	Dec. 1926
FLETCHER SCHOOL			
John J. Curry.....	Master.....	Harvard College, S.B....	Sept. 1931
Nellie A. Coburn.....	Master's Assistant....	Lowell Normal School	Sept. 1901
Emma G. Wentworth....	VII.....	Salem Normal School* (Special Courses).....	Oct. 1902
Mary D. McConologue..	VII.....	Salem Normal School....	Jan. 1924
Mae E. Sullivan.....	VI.....	Lowell Normal School (Special Courses).....	Nov. 1919
Gertrude M. Baker.....	VI.....	Radcliffe College, A.B.* (Special Courses).....	Sept. 1905
Helena M. Maguire.....	V.....	Salem Normal School*...	Jan. 1915
Blanche M. Gould.....	V.....	Cambridge Training School (Special Courses).	Oct. 1904
Elmira F. Hall.....	IV.....	Cambridge High School*	May 1897
Mildred A. Sullivan....	IV.....	Fitchburg Normal School (Special Courses).....	Feb. 1923
Martha B. Perkins.....	III.....	Salem Normal School	Sept. 1904
Margaret E. Jones.....	III-II.....	Kindergarten Training School* (Special Courses)	Sept. 1913
Mary S. Redican.....	II.....	Kindergarten Training School.....	Sept. 1915
Lillian B. O'Hair.....	II.....	Lowell Normal School ...	Sept. 1929

* Attended the Wellington Training School.

† Resigned and was reappointed.

TABULAR VIEW — Continued

SCHOOLS AND TEACHERS	Grade	Where Graduated, Highest Institution; also Other Courses	Date of Appointment
FLETCHER SCHOOL — Con. Ethel M. Cooper	I	Lowell Normal School (Special Courses)	Nov. 1915
Martha S. Zapolska	I	Salem Normal School; Boston University Music Supervisor's Certificate.	Oct. 1930
Catherine F. McCann	Special Teacher	Lowell Normal School (Special Courses)	Dec. 1926
Mary Walsh	Industrial Class	Lowell Normal School (Special Course)	June 1930
GANNETT SCHOOL			
Marie M. Cloran	Principal	Salem Normal School* (Special Courses)	Sept. 1922
Elizabeth A. Carroll	III	Framingham Normal School* (Special Courses)	Jan. 1915
Julia V. Looney	II	Salem Normal School (Special Courses)	Dec. 1919
Dorothy E. Hayes	I	Salem Normal School	Dec. 1927
Helen G. Walsh	I	A.M. (Special Courses)	Sept. 1922
HAGGERTY SCHOOL			
John M. Tobin	Master	Salem Normal School (Special Course)	Sept. 1922
Clintina E. Curtis	Master's Assistant	Boston College, A.B. Suffolk Law School, LL.B.	April 1922
Anna H. McInnes	VI	Plymouth, N. H., Normal School (Special Courses)	Dec. 1907
Katharine M. Brennan	V	Lowell Normal School (Course in Americaniza- tion)	June 1930
Mary L. Conlin	IV	Bridgewater Normal School	Nov. 1918
Katherine F. Lahiff	IV	Lowell Normal School (Special Courses)	Sept. 1929
Evelyn M. Twohig	III	Lowell Normal School (Special Courses)	June 1930
†Margaret F. LaMarche	III	Salem Normal School (Special Courses)	Oct. 1921
Margaret M. Fitzgerald	II	Salem Normal School (Special Courses)	Feb. 1931
Mary F. Moran	II	Lowell Normal School (Special Courses)	Sept. 1929
Mary A. O'Connor	II	Lowell Normal School (Special Courses)	Dec. 1927
Anna E. Lynch	I	Salem Normal School* (Special Courses)	Nov. 1915
Alice M. Doherty	I	Lowell Normal School	Jan. 1919
		Salem Normal School (Special Courses)	Dec. 1926

* Attended the Wellington Training School.

† Taught previous to this and was reappointed.

TABULAR VIEW — Continued

SCHOOLS AND TEACHERS	Grade	Where Graduated, Highest Institution; also Other Courses	Date of Appointment
HOUGHTON SCHOOL			
James E. White.....	Master.....	Bridgewater Normal School (Special Courses)	Jan. 1906
R. Emily Penney.....	Master's Assistant....	Salem Normal School (Special Courses*).....	June 1893
Helen M. Seils.....	VIII.....	Salem Normal School* (Special Courses).....	Mar. 1899
Hattie Shepherd.....	VII.....	Cambridge Training School (Special Courses)	Sept. 1882
†Winifred L. Kinslev....	VII.....	Boston Normal School*	Sept. 1909
Katharine F. Callahan...	VI.....	Salem Normal School*...	Nov. 1903
Dora Leadbetter.....	VI.....	Framingham Normal School, Radcliffe College A.A.....	Sept 1906
Elizabeth L. O'Brien....	VI.....	Boston Normal School..	Dec. 1925
Lucy M. Hunter.....	V.....	Lowell Normal School...	Dec. 1926
Helen A. Guiney.....	V.....	Lowell Normal School...	April 1923
Millie A. Isaac.....	V.....	Salem Normal School....	Sept. 1909
†Grace S. Beckwith.....	IV.....	Westfield Normal School (Special Courses)*.....	Sept. 1904
Agnes F. Delahanty.....	IV.....	Salem Normal School....	Dec. 1924
Irene A. McCarthy.....	IV.....	Lowell Normal School...	Sept. 1920
Eileen A. Barry.....	III.....	Salem Normal School....	Jan. 1925
Mary A. Burns.....	III.....	Lowell Normal School (Special Courses).....	Sept. 1929
Jane J. White.....	III.....	Fitchburg Normal School	Sept. 1920
Gertrude M. Gorman...	II.....	Salem Normal School (Special Courses).....	Oct. 1919
Bernice M. McKeever...	II.....	Bridgewater Normal School (Special Courses)	Sept. 1922
Anna T. Guiney.....	II.....	Lowell Normal School...	Jan. 1924
Myrtle I. Moore.....	II.....	Lowell Normal School...	July 1897
Elizabeth M. Kline.....	I.....	Salem Normal School*...	Sept. 1912
Elizabeth D. Pierce.....	I.....	Kindergarten Training School.....	Sept. 1913
Margaret F. Downey....	I.....	Lowell Normal School (Special Courses).....	Sept. 1931
Agnes E. Rush.....	I.....	Lowell Normal School....	Sept. 1922
Margaret F. Dwyer.....	Open Air.....	Kindergarten Training School (Special Courses)	Jan. 1914
Marv R. McLean.....	Open Air.....	Lesley Normal School ...	Dec. 1927
†Catherine M. Doran...	Special Teacher.....	Salem Normal School (Special Courses).....	Nov. 1925
Hazel L. Hunt.....	Special Teacher.....	Worcester Normal School Boston University, M.S. in Ed.....	Jan. 1924
Katherine C. Collins....	Special Class.....	Lowell Normal School (Special Courses).....	Sept. 1931

* Attended the Wellington Training School.

† Taught previous to this and resigned.

TABULAR VIEW — Continued

SCHOOLS AND TEACHERS	Grade	Where Graduated, Highest Institution; also Other Courses	Date of Appointment
KELLEY SCHOOL			
E. Joseph Goulart.....	Master.....	Hyannis Normal School (Special Courses).....	Sept. 1920
Francis X. Mahoney.....	Submaster.....	Boston College, Ph.B.; Ed.M.....	Dec. 1928
Catharine A. McLean....	Master's Assistant....	Salem Normal School*....	Oct. 1899
Emma J. Houlahan.....	VIII.....	Salem Normal School*....	Sept. 1903
Esther D. Paul.....	VII.....	Boston University, A.B.*.	Oct. 1899
Florence E. Hunter.....	VII.....	Castleton, Vt., Normal School (Special Courses)	Feb. 1900
Maude M. Dutton.....	VI.....	Bridgewater Normal School*.....	Oct. 1899
Ellen A. Kidder.....	VI.....	Peacham Academy* (Special Courses).....	Oct. 1890
Agnes M. MacLean.....	V.....	Framingham Normal School (Special Courses)	Nov. 1918
Winifred A. Briggs.....	IV.....	Gorham, Me., Normal School (Special Courses)	Sept. 1921
Olive L. Cook.....	IV.....	Framingham Normal School (Special Courses)	Apr. 1905
Ellen T. Carroll.....	III.....	Kindergarten Training School* (Special Courses)	Sept. 1907
A. Esther Murphy.....	III.....	Salem Normal School (Special Courses).....	Apr. 1923
Helena M. O'Loughlin...	II.....	Lowell Normal School* (Special Courses).....	Nov. 1915
Elizabeth M. McCann....	II.....	Salem Normal School* (Special Courses).....	April 1917
Julia A. Mooney.....	II.....	Salem Normal School....	Sept. 1931
Ethel V. Igo.....	I.....	Lowell Normal School* (Special Courses).....	Oct. 1921
Elizabeth McLaughlin...	I.....	Lowell Normal School (Special Courses).....	Sept. 1922
Mary A. Maguire.....	I.....	Salem Normal School* (Special Courses).....	Sept. 1913
Ethel F. Moloney.....	Ungraded Primary ...	Lowell Normal School (Special Courses).....	Sept. 1931
Rhea E. Webb.....	Special Class.....	Lowell Normal School (Special Courses).....	June 1930
Gertrude H. Williams....	Special Class.....	Salem Normal School (Special Courses).....	Jan. 1925
LONGFELLOW SCHOOL			
George B. Colesworthy ..	Master.....	Harvard University, A.B.	Sept. 1903
Katherine L. Carr.....	Master's Assistant....	Potsdam, N. Y., Normal School (Special Courses)	Nov. 1901
Nina L. Kendall.....	VIII.....	Randolph, Vt., Normal School (Special Courses)	Sept. 1909

* Attended the Wellington Training School.

TABULAR VIEW — Continued

SCHOOLS AND TEACHERS	Grade	Where Graduated, Highest Institution; also Other Courses	Date of Appointment
LONGFELLOW SCHOOL— Continued			
Marguerite L. Harris....	VIII.....	Framingham Normal School* (Special Courses)	April 1914
Anna G. Bateman	VII.....	Lowell Normal School ...	June 1930
Edith L. Waugh.....	VII.....	Bridgewater Normal School (Special Courses)	April 1921
Grace I. Nelligan.....	VII.....	Salem Normal School*...	Sept. 1911
Deborah Shore.....	VI.....	Salem Normal School....	Dec. 1927
Elizabeth L. Setchell ...	VI.....	Salem Normal School....	Sept. 1899
Esther M. Spaulding....	VI.....	Framingham Normal School* (Special Courses)	Nov. 1918
Lillian B. Dorney.....	V.....	Framingham Normal School.....	Jan. 1920
Gertrude E. Hunter.....	V.....	Framingham Normal School (Special Courses)	Sept. 1929
Helen W. Standley.....	V.....	Salem Normal School....	June 1930
Katharine M. Ahern	IV.....	Bridgewater Normal School.....	Sept. 1922
Julia T. Galvin.....	IV.....	Lowell Normal School...	Jan. 1924
May M. Strong.....	IV.....	Gloucester High School (Special Courses, Gloucester Training School) ...	May 1917
Helen M. Welch.....	IV.....	Lowell Normal School (Special Courses).....	Oct. 1918
C. Florence Smith.....	Supervisor of Primary Grades.....	Boston Normal School (Special Courses).....	Jan. 1888
Gertrude B. Maguire....	III.....	Salem Normal School....	Nov. 1918
Annie M. Street.....	III.....	Westfield Normal School	Sept. 1889
Nellie F. Walker.....	III.....	Kennebunk, Me., High School (Special Courses)	Sept. 1899
Mary A. Keohane.....	II	Lowell Normal School	Dec. 1927
Margaret C. Boland	II.....	Bridgewater Normal School*.....	Dec. 1916
Mary E. Mullen.....	II.....	Lowell Normal School....	Jan. 1925
Alice G. Nolan.....	II.....	Salem Normal School (Special Courses)	Nov. 1918
Marion B. Magwire.....	I.....	Framingham Normal School* (Special Courses)	June 1894
Gertrude S. Thayer.....	I.....	Salem Normal School*...	Sept. 1903
Mary H. Deasy.....	I.....	Lowell Normal School....	Jan. 1924
M. Frances Shea	I.....	Salem Normal School Courses in Americanization.....	June 1930
Agnes C. Doherty	Open Air Class	Kindergarten Training School*.....	Sept. 1913
Marguerite E. Brenner ..	Open Air Class.....	Lowell Normal School ...	Nov. 1918
Anna Belle Lowell.....	Special Class.....	Portland, Me., Normal School (Special Courses)	April 1898

* Attended the Wellington Training School.

TABULAR VIEW — Continued

SCHOOLS AND TEACHERS	Grade	Where Graduated, Highest Institution; also Other Courses	Date of Appointment
LONGFELLOW SCHOOL — Continued			
Alice G. Lynch	Special Class	Lowell Normal School (Special Courses)	Nov. 1918
Agnes M. Marchant	Special Teacher	Mt. Holyoke Seminary, Bridgewater Normal School (Special Courses)	Oct. 1894
H. Maud MacLean	Special Teacher	University of New Brunswick, A.B.,* Bridgewater Normal School (Special Courses)	Sept. 1895
LOWELL SCHOOL			
Alice V. Connelly	Principal	Salem Normal School (Special Courses)	Sept. 1908
Anna B. Curry	V.	Lowell Normal School	Jan. 1925
Ethel E. Sullivan	IV.	Lowell Normal School (Special Courses)	Oct. 1930
Catherine A. McGuinness	III-II.	New Bedford Normal and Training School	Dec. 1921
Eliza F. McLean	I.	Sudbury High School	Apr. 1918
MORSE SCHOOL			
John J. Salmon	Master	Holy Cross College, A.B., Clark University, A.M. (Special Courses)	Sept. 1916
Elizabeth H. Richards . . .	Master's Assistant	Robinson Seminary, N. H. (Special Courses)	Jan. 1899
Anna A. O'Connell	VIII.	Bridgewater Normal School (Special Courses)	Sept. 1900
Edith M. Carman	VII.	Salem Normal School* (Special Courses)	Dec. 1904
Mary R. O'Neill	VI.	Lowell Normal School (Special Courses)	Dec. 1926
Elena R. Bacigalupo	VI.	Lowell Normal School (Special Courses)	Dec. 1926
Elizabeth Burns	V.	Lowell Normal School	Dec. 1927
Bernice M. Casey	V.	Lowell Normal School (Special Courses)	Sept. 1929
†Flora E. Parker	IV.	Salem Normal School	Oct. 1921
Ruth E. Hayes	IV.	Lowell Normal School (Course in Americanization)	June 1930
Florence M. Powers	III.	Salem Normal School (Special Courses)	Sept. 1931
Julia M. Davis	III.	Baltimore High School*	May 1900
Elizabeth J. Baldwin	III.	Boston Normal School*	Jan. 1886
Christina R. Denyven	II	Bridgewater Normal School	Jan. 1887
Agnes L. Moran	II.	Salem Normal School* (Special Courses)	Sept. 1909

* Attended the Wellington Training School.

† Taught previous to this and resigned.

TABULAR VIEW — Continued.

SCHOOLS AND TEACHERS	Grade	Where Graduated, Highest Institution; also Other Courses	Date of Appointment
MORSE SCHOOL — Con.			
Anna L. Collins.....	I.....	Fitzwilliams Public School (Special Courses)	Sept. 1893
Eleanor M. O'Toole.....	I.....	Fitchburg Normal School (Special Courses).....	Nov. 1919
Mary A. O'Hare.....	Ungraded Primary ...	Salem Normal School (Special Courses).....	Dec. 1926
Esther B. Gilman.....	Special Class.....	Radcliffe College, A.B. (Special Courses).....	June 1930
PEABODY SCHOOL			
Frederick B. Thompson..	Master.....	Bridgewater Normal School (Special Courses)	Nov. 1894
Frances F. Curtis.....	Master's Assistant ...	Bridgewater Normal School.....	Mar. 1898
Annie R. Sturtevant	VIII.....	Wellesley College, A.B.* (Special Courses).....	Dec. 1907
Lucy M. Soulee.....	VII.....	Everett High School (Special Courses).....	Sept. 1893
Catherine Smith.....	VII.....	Framingham Normal School.....	Sept. 1931
Bernice F. Bartlett	VI.....	Emerson College of Oratory*.....	Sept. 1907
Evelyn M. Sharkey.....	VI-V.....	Lowell Normal School ...	June 1930
Alice M. Gage.....	V.....	High School, Mt. Holyoke College (2 yrs.).....	Mar. 1899
†Blanche C. Trefethen...	IV.....	Normal Dept., Robinson Seminary*.....	Mar. 1895
Eleanor L. Ramhofer....	IV.....	Salem Normal School*...	Sept. 1912
Catherine P. Lally.....	III.....	Lowell Normal School....	Dec. 1927
Butella E. L. Conland...	III.....	Randolph, Vt., Normal School.....	Dec. 1898
Mary H. Brooks.....	II.....	Bridgewater Normal School.....	Sept. 1898
Edith F. Pulsford.....	II.....	Kindergarten Training School*.....	Jan. 1910
Minnie H. Ketchum.....	I.....	Kindergarten Training School*.....	Sept. 1913
†Evelyn S. Huling.....	I.....	Kindergarten Training School*.....	Jan. 1924
Mary E. Watson.....	Special Teacher.....	Salem Normal School (Special Courses).....	Sept. 1931
Anna H. Welsh.....	Special Teacher.....	Clifton Springs Seminary (Special Courses), Wellesley College (2 yrs.)...	Sept. 1901
PUTNAM SCHOOL			
Horace E. Jacobs.....	Master.....	Brown University, A.B., A.M., (Special Courses)	Oct. 1915
Maude M. Mixer.....	Master's Assistant ...	Bridgewater Normal School (Special Courses)	Sept. 1905

* Attended the Wellington Training School.

† Taught previous to this and resigned.

TABULAR VIEW — Continued

SCHOOLS AND TEACHERS	Grade	Where Graduated, Highest Institution; also Other Courses	Date of Appointment
PEABODY SCHOOL — Con.			
Sarah M. Grieves.....	VIII.....	Cambridge Training School (Special Courses)	Oct. 1882
M. Rosalie Collins.....	VII.....	Lowell Normal School (Special Courses)*.....	Sept. 1914
Walter N. Conlon.....	VII.....	Bridgewater Normal School, B.S.E. (Special Courses).....	Dec. 1930
Edith Baron.....	VI.....	Salem Normal School....	Sept. 1931
Martha Chisholm.....	VI.....	Gloucester Training School (Special Courses)	Sept. 1906
Mildred J. Murray.....	V.....	Lowell Normal School...	Jan. 1925
Mary A. Carmichael....	V-IV.....	Salem Normal School....	Feb. 1889
Agnes J. Rourke.....	IV.....	Lowell Normal School (Course in Americanization).....	June 1930
Ruth H. Wadden.....	III.....	Lowell Normal School...	Dec. 1927
Margaret V. Ryan.....	II.....	Framingham Normal School (Special Courses)	Sept. 1929
Annie A. Rea.....	I.....	Castine, Me., Normal School (Special Courses)	Sept. 1909
Eleanor H. Macklin.....	Special Class.....	Lesley Normal School...	Apr. 1927
ROBERTS SCHOOL			
Martin F. O'Connor....	Master.....	Boston College, A.B. Harvard, M.Ed.....	Sept. 1914
Catherine M. Connell...	Master's Assistant...	Lowell Normal School	Nov. 1918
Joseph P. Flynn.....	VIII.....	Boston College, A.B. (Special Courses).....	June 1930
Anna L. Mahony.....	VIII.....	Worcester Normal School	Sept. 1922
Helen F. Moynihan.....	VII.....	Framingham Normal School (Special Courses)	Nov. 1920
Jeannette Connelly.....	VII.....	Lowell Normal School....	Apr. 1922
Margaret F. Ruddick....	VII.....	Boston Normal School (Special Courses).....	Jan. 1924
Bessie H. C. Fuller.....	VI.....	Hyannis Normal School	Sept. 1909
Anna M. Vaughan.....	VI.....	Lowell Normal School (Special Courses).....	Sept. 1920
Helen P. Zubinski.....	VI.....	Lowell Normal School...	Dec. 1926
Angela Dalton.....	V.....	Lowell Normal School (Special Courses).....	Dec. 1926
Lucy V. Guiney.....	V.....	Lowell Normal School (Special Courses).....	Dec. 1927
Mary R. Mooney.....	V.....	Lowell Normal School...	Dec. 1927
Anna E. Dailey.....	IV.....	Salem Normal School*... (Special Courses).....	Sept. 1910
Elizabeth H. Russell....	IV.....	Lowell Normal School...	Jan. 1924
Ellen T. O'Connell.....	IV.....	Salem Normal School....	Jan. 1925

*Attended the Wellington Training School.

TABULAR VIEW — Continued

SCHOOLS AND TEACHERS	Grade	Where Graduated, Highest Institution; also Other Courses	Date of Appointment
ROBERTS SCHOOL — Con.			
Mary E. O'Rourke.....	IV.....	Lowell Normal School (Special Courses).....	Sept. 1931
Sybil M. Cronin.....	III.....	Salem Normal School*....	Sept. 1912
Anne L. Sullivan.....	III.....	Lowell Normal School....	Dec. 1927
Anna E. Marsh.....	III.....	Lowell Normal School....	Dec. 1926
Marguerite F. Fair.....	III.....	Boston University A.B....	Dec. 1926
Madeline R. Sullivan....	II.....	Lowell Normal School....	Sept. 1929
Nadine F. Wright.....	II.....	Radcliffe College, A.B....	Dec. 1922
Mary C. Ward.....	II.....	Salem Normal School*....	Mar. 1911
Margaret M. Deastlov ..	II.....	Lowell Normal School (Special Courses).....	Sept. 1931
Katherine M. Bradley....	I.....	Salem Normal School....	Jan. 1925
Florence E. McCarthy ..	I.....	Lowell Normal School....	Jan. 1924
Marion C. Smith.....	I.....	Salem Normal School....	Sept. 1922
Helen E. Bradley.....	I.....	Bridgewater Normal School.....	Sept. 1920
Henriette E. deRoche- mont	Open Air.....	Portsmouth, N. H., Nor- mal School.....	Sept. 1894
Catherine E. Deasy.....	Open Air.....	Lowell Normal School (Special Courses).....	Sept. 1931
Anna G. Weissblatt.....	Special Class.....	Salem Normal School (Special Courses).....	Sept. 1931
RUSSELL SCHOOL			
John H. Graham.....	Master.....	Bridgewater Normal School (Special Courses)	June 1913
Michael J. Brennan.....	Submaster.....	Boston College, A.B., M.E.	Jan. 1924
Mary S. Bingham.....	Master's Assistant....	Salem Normal School (Special Courses).....	Sept. 1904
Sara S. Coyne.....	VIII.....	Salem Normal School* (Special Courses).....	Feb. 1912
Margaret F. O'Keefe....	VIII.....	Salem Normal School*....	Sept. 1900
Margaret M. Carroll....	VII.....	Salem Normal School*....	Sept. 1911
Ida J. Mahoney.....	VII.....	Framingham Normal School*.....	Apr. 1903
Mary E. Hayes.....	VI.....	Lowell Normal School....	Dec. 1927
Josephine F. Rowe	VI.....	Salem Normal School*..	Mar. 1909
Mildred F. Moher	VI.....	Lowell Normal School (Course in Americaniza- tion).....	June 1930
Lillian A. Barry.....	V.....	Fitchburg Normal School (Special Courses).....	Sept. 1922
Florence R. Casey.....	V.....	Lowell Normal School....	Apr. 1922
Isabel A. Herlihy.....	IV.....	Lowell Normal School (Special Courses).....	Apr. 1922
Elizabeth H. Moran	IV.....	Lowell Normal School (Course in Americaniza- tion).....	June 1930

* Attended the Wellington Training School.

TABULAR VIEW — Continued

SCHOOLS AND TEACHERS	Grade	Where Graduated, Highest Institution; also Other Courses	Date of Appointment
RUSSELL SCHOOL—Con.			
Ruth H. Lusk.....	IV.....	Lowell Normal School ...	Jan. 1924
Edna M. Curtis.....	III.....	Lowell Normal School ...	Apr. 1922
Doris Tracy.....	III.....	Westfield Normal School	Sept. 1929
Mary F. Good.....	III.....	Lowell Normal School...	Dec. 1924
Evelyn F. Leddy.....	II.....	Salem Normal School....	Dec. 1918
Anne J. Wetmore.....	II.....	Salem Normal School (Special Courses).....	Sept. 1922
Mary P. O'Connell.....	II.....	Lowell Normal School....	Dec. 1926
Hilda Anderson.....	I.....	Salem Normal School (Special Courses).....	Sept. 1920
Julia M. McHugh.....	I.....	Salem Normal School*...	Oct. 1894
Alice Ford Sullivan	I.....	Kindergarten Training School*.....	Jan. 1915
Dorothy Wadden.....	I.....	Bridgewater Normal School.....	Jan. 1925
Gertrude E. Gately.....	I.....	Framingham Normal School.....	Sept. 1931
Anastasia E. Donovan ..	Special Class.....	Salem Normal School (Special Courses).....	Sept. 1919
Alice Skahan	Special Class.....	Emmanuel College, A.B.	Sept. 1931
SLEEPER SCHOOL			
Elizabeth G. Nelligan ...	Principal.....	Cambridge English High* School (Special Courses)	Dec. 1899
Alice G. Dacey.....	V.....	Salem Normal School* (Special Courses)	Jan. 1909
Cora B. Poole.....	IV.....	Salem Normal School*...	Feb. 1906
Evelyn M. Dormer	III.....	Salem Normal School*...	Dec. 1897
Mary A. O'Callaghan ...	II.....	Salem Normal School*...	Sept. 1913
Felicia Zapolska.....	II.....	Salem Normal School Boston University, Music Supervisor's Cer- tificate.....	Oct. 1930
Mary A. Brennan.....	I.....	Framingham Normal School.....	Dec. 1916
Mary R. Harrington	I.....	Salem Normal School*...	Oct. 1910
TAYLOR SCHOOL			
Elizabeth F. Butler.....	Principal.....	Lowell Normal School* Boston University, B.S. in Ed.....	Sept. 1916
Lillian F. McKeever	III.....	Salem Normal School (Course in Americaniza- tion).....	June 1930
Ethel I. Tansey.....	II.....	Salem Normal School....	Jan. 1924
Helen K. Cotter.....	II.....	Lowell Normal School (Course in Americaniza- tion).....	June 1930
Marguerite F. Doherty ..	I.....	Lowell Normal School* ..	Sept. 1913

* Attended the Wellington Training School.

TABULAR VIEW — Continued

SCHOOLS AND TEACHERS	Grade	Where Graduated, Highest Institution; also Other Courses	Date of Appointment
TAYLOR SCHOOL—Con.			
Katharine A. Hegarty . . .	I	Coburn, Me., Classical Institute, B.L. (Special Courses)	Sept. 1896
Agnes M. Harrington . . .	I	Salem Normal School (Special Courses)	Oct. 1919
† Mary A. O'Toole	Ungraded Class	Lowell Normal School (Special Courses)	Dec. 1912
THORNDIKE SCHOOL			
Francis J. O'Hara	Master	Boston College, A.B., A.M., Boston Normal School, Harvard M.Ed.	Sept. 1912
Honora F. O'Brien	Master's Assistant . . .	Gloucester High School (Special Courses)	Sept. 1909
Eva M. Bousquet	VII	Salem Normal School* . . .	Sept. 1909
Minnie A. Doran	VII	Salem Normal School (Special Courses)	Sept. 1895
Teresa M. Sullivan	VI	Lowell Normal School . . . (Special Courses)	Sept. 1920
Gertrude R. O'Hara	V	Salem Normal School* . . . (Special Courses)	Oct. 1910
Florence A. Hickey	V	Salem Normal School* . . .	Sept. 1912
Margaret M. Cawley	IV	Lowell Normal School . . .	Dec. 1927
Caroline B. Butler	IV	Lowell Normal School (Special Courses)	Nov. 1918
Marjorie W. Todd	IV	Worcester Normal School (Special Courses)	Nov. 1924
Avis Clarke	III	Salem Normal School . . .	Sept. 1929
Eleanor G. Grady	III	Lowell Normal School (Special Courses)	Oct. 1930
Anna N. Sullivan	II	Boston Normal School* . .	Mar. 1901
Gertrude A. Murphy	II	Salem Normal School (Special Courses*)	Sept. 1912
Elizabeth B. Gahm	I	Cambridge Training School	Sept. 1882
Alice W. Gaughan	I	Salem Normal School . . .	Mar. 1911
Luella M. Marsh	Open Air	Cambridge Training School	Feb 1884
Margaret J. McCann	Open Air	Lowell Normal School . . . (Special Courses)	Jan. 1920
Charlotte M. Cairnes . . .	Special Class	Salem Normal School* . . .	Nov. 1915
WEBSTER SCHOOL			
John F. Lynch	Master	Boston Normal School, Tufts College, A.B. (Special Courses)	Feb. 1922
John F. Toomey	Submaster	Boston College, A.B. (Special Courses)	Sept. 1923

* Attended the Wellington Training School.

† Taught previous to this and reappointed

TABULAR VIEW — Continued

SCHOOLS AND TEACHERS	Grade	Where Graduated, Highest Institution; also Other Courses	Date of Appointment
WEBSTER SCHOOL — Con. M. Estelle Ramsdell	Master's Assistant . . .	Farmington, Me., Normal School, Portia Law School, LL.B. (Special Courses)	Apr. 1920
Ellen C. Connell	VIII	Boston Normal School* . .	Feb. 1916
Neva L. Hanson	VIII	Calais, Me., High School (Special Courses)	Feb. 1919
Mary T. Laffin	VIII	Gorham, Me., Normal School (Special Courses) .	Dec. 1918
Mabel T. Ashley	VII	Framingham Normal School (Special Courses) .	Sept. 1896
Mary F. Fahey	VII	Gorham, Me., Normal School	Nov. 1917
Edith K. Reddy	VII	Radcliffe, A.B.; Boston Normal School (Special Courses)	Dec. 1926
Matilda V. Hall	VI	Salem Normal School (Special Courses)	Sept. 1925
Magdalene M. Stumpf . . .	VI	Framingham Normal School	Jan. 1920
Grace C. Kelleher	VI	Framingham Normal School (Special Courses) .	Sept. 1931
Anna Grant	V	Lowell Normal School (Special Courses)	Sept. 1929
Minnie V. Reid	V	Boston Normal School* . .	Sept. 1888
† Marcia R. Bowman	V	Framingham Normal School	Dec. 1927
M. Lucille Schoonover . .	V	Salem Normal School . . .	Sept. 1929
Harriet V. Cunningham . .	IV	Salem Normal School* . . .	Nov. 1918
Gertrude I. Johnson	IV	Worcester Normal School	Sept. 1901
Ethel L. Stratton	IV	Watertown High School (Special Courses)	Sept. 1920
Bertha M. Anderson	IV	Salem Normal School (Special Courses)	Sept. 1925
Esther Goverman	IV	Salem Normal School (Course in Americanization)	June 1930
M. Lorette Wetmore	Special Teacher	Salem Normal School (Special Courses)	June 1930
WELLINGTON SCHOOL			
Harold B. Blazo	Master	Harvard University, A.B. (Special Courses)	Sept. 1910
Albert J. Brooks	Submaster	Keene, N. H., Normal School (Special Courses) .	Sept. 1923
Grace F. Chamberlain . . .	Master's Assistant . . .	Framingham Normal School (Special Courses) .	Apr. 1903
Mary F. Donegan	VII	Salem Normal School (Special Courses)	Sept. 1926

* Attended the Wellington Training School.
† Resigned and was reappointed.

TABULAR VIEW — Continued

SCHOOLS AND TEACHERS	Grade	Where Graduated, Highest Institution; also Other Courses	Date of Appointment
WELLINGTON SCHOOL — Con.			
Mildred F. Reinhalter...	VII.....	Bridgewater Normal School* (Special Courses)	Apr. 1914
Leona C. Lynch.....	VII.....	Salem Normal School (Special Courses).....	Dec. 1926
Helen L. McLaughlin ...	VI.....	Lowell Normal School (Course in Americanization).....	June 1930
Marion I. Wood.....	VI.....	Salem Normal School* (Special Courses).....	Sept. 1916
Helen M. Burns.....	V.....	Lowell Normal School...	Jan. 1925
Mary E. Sullivan.....	V.....	Salem Normal School* (Special Courses).....	Feb. 1920
Marion E. McNamara ..	V.....	Lowell Normal School (Special Courses)	Sept. 1929
M. Gertrude Shea.....	V.....	Framingham Normal School.....	Sept. 1920
Mary A. Rowe.....	IV.....	Lowell Normal School, Lesley Normal School...	April 1928
Caroline M. Shaw	IV.....	Salem Normal School (Special Courses).....	Dec. 1926
A. Mabel Harrington....	IV.....	Salem Normal School*...	Sept. 1916
Margaret L. Shaughnessy	III.....	Lowell Normal School...	Jan. 1924
Ruth F. Igo.....	III.....	Salem Normal School*...	Sept. 1916
Edna B. Cairnes.....	II.....	Salem Normal School...	Sept. 1922
M. Alma Laffey.....	II.....	Salem Normal School*...	Nov. 1917
Lucille M. Kelley.....	II.....	Keene (N. H.) Normal School; Boston University, B.S.....	Sept. 1931
Catherine M. Riley.....	I.....	Salem Normal School...	Dec. 1927
Ida Silverman.....	I.....	Salem Normal School (Course in Americanization).....	June 1930
Evelyn L. Phetteplace...	I.....	Lowell Normal School...	Apr. 1922
M. Agnes Tierney.....	Special Class.....	Framingham Normal School (Special Courses)	Nov. 1918
†Addie H. Tuttle.....	Foreign Class.....	Salem Normal School*...	Apr. 1922
Margaret F. Walsh.....	Foreign Class.....	Prince of Wales College (Special Courses).....	Jan. 1924
Esther M. Hanley.....	Open Air Class	Salem Normal School (Special Courses).....	Nov. 1918
‡M. Grace Cronin.....	Open Air Class	Fitchburg Normal School (Special Courses)	Feb. 1917
Helen E. Sheehan.....	Open Air Class.....	Lowell Normal School (Special Courses).....	Oct. 1930
WILLARD SCHOOL			
Catherine L. Dinneen....	Principal.....	Salem Normal School* (Special Courses).....	Dec. 1908
Helen P. Nichiporuk....	III.....	Westfield Normal School.	Oct. 1930

* Attended the Wellington Training School.

† Resigned and was reappointed.

‡ On leave of absence.

TABULAR VIEW — Continued

SCHOOLS AND TEACHERS	Grade	Where Graduated, Highest Institution; also Other Courses	Date of Appointment
WILLARD SCHOOL — Con.			
Rita B. Moher.....	III.....	Lowell Normal School (Special Courses)	Sept. 1929
Mary E. Leahy.....	III.....	Lowell Normal School (Special Courses)	June 1930
Helen E. Danc.....	III.....	Salem Normal School (Special Courses)	Sept. 1931
Lucy F. Cline.....	II.....	Kindergarten Training School*.....	Oct. 1910
M. Louise Kane.....	II.....	Kindergarten Training School (Special Courses)	Sept. 1914
Agalena Aldrich.....	II.....	Cushing Academy, Wellesley College (2 yrs.)...	Sept. 1901
Elizabeth M. Crowley...	II.....	Salem Normal School*...	Dec. 1901
Caroline A. Sullivan.....	I.....	Kindergarten Training School*.....	Nov. 1912
Katherine E. Hayes.....	I.....	Framingham Normal School (Special Courses)	Sept. 1931
Helen R. Morris.....	I.....	Lowell Normal School (Special Courses).....	Jan. 1923
Dorothy P. Klein.....	I.....	Framingham Normal School.....	Sept. 1931
WYMAN OPEN AIR			
Agnes J. McElroy.....	Principal.....	Salem Normal School*...	Dec. 1891
Catherine E. Myler.....	Teacher.....	Lowell Normal School (Special Courses).....	Sept. 1921
Ellen T. O'Keefe.....	Teacher.....	Boston Normal School * (Special Courses).....	Sept. 1903
Margaret F. Martin....	Teacher.....	Kindergarten Training School (Special Courses)	Dec. 1926
Mary E. Regan.....	Teacher.....	Salem Normal School*...	Oct. 1899
Katherine G. Lynch....	Teacher.....	Lowell Normal School ...	Dec. 1927
CONTINUATION SCHOOLS			
James Dugan.....	Director.....	Amherst College, A.B....	Jan. 1910
Mary A. Boland.....	Principal.....	Salem Normal School (Special Courses)*.....	Jan. 1898
Boys' School			
Albert J. Leonard.....	First Assistant Academic.....	Boston College, Boston College School of Education (Special Courses)	Nov. 1929
Thomas F. Woods.....	Printing — Shop.....	Mechanics Arts High School.....	Sept. 1920
Thomas H. Egan.....	Woodworking	Lowell Vocational Training School (Special Courses)	Feb. 1930
Girls' School			
Stella M. Davis.....	Clothes — Academic..	Plymouth, N.H., Normal School, Portia Law School, LL.B.....	May 1917

* Attended the Wellington Training School.

TABULAR VIEW — Continued

SCHOOLS AND TEACHERS	Grade	Where Graduated, Highest Institution; also Other Courses	Date of Appointment
CONTINUATION SCHOOLS			
—Continued			
Mildred M. Ready.....	Foods — Shop.....	Mt. St. Joseph Academy	Sept. 1920
Ellen P. Tracy.....	Clothes — Shop.....	Roxbury High School (Special Courses).....	Sept. 1920
KINDERGARTENS			
<i>Abraham Lincoln</i>			
Mary C. Tracy.....	Kindergartner.....	Kindergarten Training School (Special Courses) .	Oct. 1919
Mary M. Cotter.....	Asst. Kindergartner...	Kindergarten Training School.....	Dec. 1926
<i>Agassiz</i>			
Mabel O. Phelps.....	Kindergartner.....	Kindergarten Training School.....	Dec. 1920
Elizabeth Putnam	Asst. Kindergartner ..	Kindergarten Training School (Special Courses)	June 1930
<i>Fletcher</i>			
Mary F. McAllister.....	Kindergartner	Kindergarten Training School.....	Sept. 1925
Alice N. Lewis.....	Asst. Kindergartner ..	Kindergarten Training School.....	June 1930
<i>Gannett</i>			
†‡ Marion L. Akerman...	Kindergartner.....	Kindergarten Training School (Special Courses) .	April 1900
Margaret A. Phetteplace.	Asst. Kindergartner..	Kindergarten Training School.....	Dec. 1928
<i>Haggerty</i>			
Helen F. Dogherty.....	Kindergartner.....	Kindergarten Training School.....	Sept. 1911
Catherine A. Ryan.....	Asst. Kindergartner...	Kindergarten Training School (Special Courses) .	Dec. 1930
<i>Houghton</i>			
Julia M. Sullivan.....	<i>A.M.</i> Kindergartner.....	Kindergarten Training School.....	April 1919
<i>Houghton</i>			
Edna L. Collins.....	<i>P.M.</i> Kindergartner.....	Kindergarten Training School.....	Sept. 1925
Alma E. Johnston.....	Asst. Kindergartner...	Kindergarten Training School (Special Courses)	Oct. 1928
<i>Longfellow</i>			
Mary A. McMahon.....	Kindergartner.....	Kindergarten Training School.....	Oct. 1911
Ellen Leonard.....	Asst. Kindergartner...	Kindergarten Training School.....	Sept. 1925
<i>Lowell</i>			
Mariam P. Nelson.....	Kindergartner.....	Kindergarten Training School; Boston Univer- sity, B.S. in Ed.....	April 1922
Mary L. Welch	Asst. Kindergartner...	Kindergarten Training School.....	Oct. 1928

* Attended the Wellington Training School.

† Taught previous to this and reappointed.

† On leave of absence.

TABULAR VIEW — Continued

SCHOOLS AND TEACHERS	Grade	Where Graduated, Highest Institution; also Other Courses	Date of Appointment
KINDERGARTENS — Con.			
<i>Morse</i> Mary S. Dempsey	Kindergartner	Kindergarten Training School	Sept. 1912
<i>Peabody</i> Irene L. Phelps	Kindergartner	Kindergarten Training School*(Special Courses)	April 1904
Ruth D. Cobb	Asst. Kindergartner	Kindergarten Training School (Special Courses)	Sept. 1916
<i>Putnam</i> Julia P. Good	Kindergartner	Kindergarten Training School	Sept. 1922
Ruth M. Austin	Asst. Kindergartner	Kindergarten Training School (Special Courses)	Oct. 1928
<i>Roberts</i> Annie L. Crane	<i>A.M.</i> Kindergartner	Kindergarten Training School	Dec. 1904
Esther Edelstein	Asst. Kindergartner	Kindergarten Training School	Dec. 1928
<i>Roberts</i> Mary H. Macbeth	<i>P.M.</i> Kindergartner	Kindergarten Training School	Sept. 1925
Ruth F. Boland	Asst. Kindergartner	Kindergarten Training School	Dec. 1926
<i>Russell</i> Beatrice E. Kelley	Kindergartner	Kindergarten Training School	Sept. 1913
Nellie M. Braithwaite	Asst. Kindergartner	Kindergarten Training School	Dec. 1930
Katharine E. Leahy	Asst. Kindergartner	Kindergarten Training School	Dec. 1926
†Charlotte P. Callanan	Asst. Kindergartner	Kindergarten Training School	Mar. 1931
<i>Shaw</i> *Lillian A. McCarthy	Kindergartner	Kindergarten Training School	Sept. 1930
Gretchen K. Hager	Asst. Kindergartner	Kindergarten Training School	Sept. 1925
<i>Sleeper</i> Mabel S. Adams	Kindergartner	Kindergarten Training School	Oct. 1893
Julienne E. O'Connell	Asst. Kindergartner	Kindergarten Training School (Special Courses)	Oct. 1928
<i>Thorndike</i> Frances E. Fitzgerald	Kindergartner	Kindergarten Training School	Nov. 1915
Miriam G. Smith	Asst. Kindergartner	Kindergarten Training School	Dec. 1930

* Attended the Wellington Training School.
† Taught previous to this and reappointed.

TABULAR VIEW — Continued

SCHOOLS AND TEACHERS	Grade	Where Graduated, Highest Institution; also Other Courses	Date of Appointment
KINDERGARTENS — Con.			
<i>Webster</i>			
Jennie S. Clough	Kindergartner	Kindergarten Training School	Sept. 1897
Helena J. Wilde	Asst. Kindergartner	Kindergarten Training School (Special Courses)	Dec. 1930
<i>Wellington</i>			
Anna Dell Francis	Kindergartner	Kindergarten Training School	Jan. 1906
<i>Willard</i>			
Helen M. Whoriskey	Acting Kindergartner	Kindergarten Training School (Special Courses)	Dec. 1926

TABULAR VIEW — Continued

SCHOOLS AND TEACHERS	Grade	Where Graduated, Highest Institution; also Other Courses	Date of Appointment
SPECIAL SUBJECTS			
<i>Art Education</i>			
Alfred F. Burke	Director	Massachusetts Normal Art School; Mass. School of Art, B.S.E.; Boston College, Ed.M.; Courses in France and England .	Sept. 1921
Harriet M. Simpson	Assistant	Massachusetts Normal Art School	Sept. 1921
<i>Music</i>			
Benedict FitzGerald	Director	Harvard University, L.A.; Boston University, Diploma in Music Education; Columbia University, M.A.; College of Sacred Heart, New York City, Supervisor and Diploma Examiner; European study three years.	Mar. 1931
Mary F. Ahern	Assistant	Boston University Certificate (Special Courses)	May 1919
Josephine C. Wyman	Assistant	Farmington, Me., Normal School	Apr. 1903
Thomas A. Quinn	Teacher	Boston University, Certificate; Courses at Harvard	Dec. 1930
Mary M. Long	Teacher	N. E. Conservatory of Music	Sept. 1931
Edna L. McNamara	Teacher	N. E. Conservatory of Music (Special Courses) .	Sept. 1931
Mary C. Willhauck	Teacher	Lowell Normal School (Special Courses)	Sept. 1931
<i>Physical Education and Athletic Activities</i>			
Joseph J. Smith	Director	Posse Normal School; Cornell University Summer School (Special Courses)	Sept. 1921
Mildred Grant	Assistant	Sargent School of Physical Education	Sept. 1919
Humphrey E. O'Leary	Assistant	Clark's Business School Harvard University Summer School (Special Courses)	Nov. 1932
Joseph A. Kozlowsky	Assistant	Boston College, A.B. (Special Courses)	Sept. 1929
Francis J. Culhane	Teacher	Boston College, Ph.B., Notre Dame, A.M. (Special Courses)	Mar. 1931

TABULAR VIEW — Continued

SCHOOLS AND TEACHERS	Grade	Where Graduated, Highest Institution; also Other Courses	Date of Appointment
SPECIAL SUBJECTS — Con.			
Gertrude M. Cunningham	Teacher.....	Sargent School of Physical Education.....	Dec. 1926
Mary K. Doherty.....	Teacher.....	Sargent School of Physical Education.....	Dec. 1930
Marguerite George.....	Teacher.....	Sargent School of Physical Education.....	Dec. 1926
Mary J. Sharkey.....	Teacher.....	Sargent School of Physical Education.....	Sept. 1924
Frances J. Toole.....	Teacher.....	Sargent School of Physical Education.....	Sept. 1925
<i>Americanization</i>			
Rose M. O'Toole Rondeau	Director.....	Fitchburg Normal School (Post-Graduate Course, 2 years).....	Sept. 1921
<i>Central Trade Class</i>			
Francis V. Casey.....	Teacher	Boston College, A.B. (Special Courses)	Sept. 1929
Edward F. McAuliffe ...	Teacher	Rindge Technical School; Sloyd Training School for Teachers (Special Courses).....	Dec. 1919
John M. Moriarty.....	Teacher.....	Special Courses.....	Mar. 1931
Francis B. Whouley.....	Teacher.....	Attended Summer Course at Fitchburg Normal School.....	Nov. 1928
<i>Manual Training and Pre-Vocational Classes</i>			
Catherine L. Dolan.....	Ellis.....	Salem Normal School* (Special Courses).....	Nov. 1898
John A. Warnock.....	Longfellow.....	Common Schools (Special Courses).....	Sept. 1928
Robert V. Meyer.....	Peabody.....	Lowell Institute (Special Courses).....	Sept. 1921
Jerome S. Higgins	Putnam	Bridgewater Normal School, B.S.E. (Special Courses)	Sept. 1929
Walter P. Worden.....	Putnam.....	Common Schools, Practical Experience....	Apr. 1924
Mary E. Quirk.....	Roberts.....	Salem Normal School (Special Courses).....	Feb. 1910
Joseph T. Crowley.....	Roberts.....	Rindge Technical School; Attended B. U.....	July 1930
Murray K. Worden.....	Roberts.....	Common Schools.....	Sept. 1921
William B. O'Connor....	Russell.....	Practical Experience.....	Dec. 1927
Gertrude B. Duffy.....	Webster.....	Salem Normal School,* Boston University, B.S. in Ed. (Special Courses)	Apr. 1902
Nora P. Nason.....	Webster.....	Gorham, Me., Normal School.....	Dec. 1906

*Attended the Wellington Training School.

TABULAR VIEW — Continued

SCHOOLS AND TEACHERS	Grade	Where Graduated, Highest Institution; also Other Courses	Date of Appointment
SPECIAL SUBJECTS — Con.			
John E. Howard.....	Webster.....	Sloyd Training School...	Sept. 1911
John D. Creedon.....	Wellington.....	Training School for Teachers of Mechanic Arts High School.....	Sept. 1926
<i>Cooking</i> Gertrude P. Dakin.....	Teacher.....	Lesley Normal School, Boston School of Cookery	Sept. 1925
<i>Classes for Crippled Children</i> Martha M. Gillis.....	Teacher.....	Framingham Normal School.....	Sept. 1931
<i>Classes for Stammerers</i> Sallie A. Brooks*.....	Teacher.....	Kindergarten Training School (Special Courses)	Sept. 1913
<i>Children's Museum</i> Ruth D. Crawford.....	Director.....	Lowell Normal School...	Dec. 1918
Ellen T. Fitzgerald.....	Assistant.....	Bridgewater Normal School*.....	Sept. 1916
<i>Vision Class</i> Julia M. Horgan.....	Teacher.....	Salem Normal School* (Special Courses).....	Sept. 1908
Charlotte M. Walsh.....	Teacher.....	Emmanuel College, A.B. (Special Courses).....	Sept. 1929
<i>Lip Reading Classes</i> Marion S. Clark.....	Teacher.....	Boston University, A.B., Harvard College, M.Ed. Miller-Walle Training School for Teachers of Lip Reading.....	June 1923
<i>Opportunity Class</i> J. Madelene Winslow....	Teacher.....	Massachusetts College of Osteopathy (Special Courses).....	Jan. 1925
Julia A. O'Laughlin.....	Teacher.....	(Special Courses in Dress-making and Artcraft)...	Sept. 1922
Ethel F. Morris.....	Teacher.....	Emmanuel College, A.B. (Special Courses).....	Dec. 1930
<i>Sewing Classes</i> Anna C. Coleman.....	Teacher.....	(Private School for Girls)	Sept. 1913
Catherine Corcoran.....	Teacher.....	Bryant & Stratton Commercial School, Hersum School of Color and Design (Special Courses)...	Dec. 1927
Maude E. Delorme.....	Teacher.....	(Private Tutor, Special Courses).....	Oct. 1910
Louise A. Downey.....	Teacher.....	Bon Ton School of Design (Special Courses).....	April 1926
Elizabeth A. Fitzpatrick.	Teacher.....	Practical Experience.....	Dec. 1930
Beatrice F. Kelley.....	Teacher.....	Practical Experience.....	April 1926
Mary J. Smith.....	Teacher.....	(Special Courses).....	Nov. 1912
Nettie L. White.....	Teacher.....	(Special Courses).....	Sept. 1915

*Attended the Wellington Training School.

TABULAR VIEW — Concluded

<i>Superintendent of Schools</i>	MICHAEL E. FITZGERALD
<i>Assistant Superintendent</i>	} JAMES DUGAN
<i>Director of Continuation School</i>	
<i>Supervisor of Primary Schools</i>	KATHARINE L. McELROY
<i>Supervisor of Kindergartens</i>	ALICE V. McINTIRE
<i>Business Agent</i>	CONSTANTINE J. CHURCH
<i>Assistant Business Agent</i>	GERALD T. LISTON
<i>Secretary to the School Committee</i>	HELEN R. BROSNAHAN
<i>Secretary to the Superintendent</i>	WILLIAM F. DONOVAN
<i>Stenographer at the High and Latin School</i>	AGNES M. WADEN
<i>Secretary at the High and Latin School</i>	MARIE E. WALSH
<i>Stenographer at Rindge Technical School</i>	MARION H. PIKE
<i>Clerks</i>	MARY F. CASSIDY
	GRACE M. CULHAN
	KATHARINE A. DUFFY
	AGNES V. KIELY
	ELIZABETH G. FAULKNER
	JOHN J. HEALEY
	LUISA L. MERRIAM
	BEATRICE A. NUGENT
	MARGARET F. O'NEILL
	JOHN L. POWERS
	JOHN G. WHORISKEY
<i>Telephone Operator</i>	CECILIA M. O'CONNOR
<i>Storekeeper</i>	JOHN H. LEMON
<i>Assistant Storekeeper</i>	ROBERT W. HOLLAND
<i>Attendance Officers</i>	WILLIAM J. COGAN
	DENNIS F. HURLEY
	JOHN T. KEANE
	WALTER J. MARTIN
	JEREMIAH F. McDERMOTT
	JOHN J. SULLIVAN
	EDWARD F. WALSH
	JOSEPH W. WALSH
<i>Director of Safety</i>	PATRICK F. SHEA

TEACHERS AND OFFICIALS PENSIONED BY THE CITY

Teacher, High School.....	Emma A. Scudder
Master, Elementary School.....	John D. Billings
Teacher, Elementary School.....	Mary P. Blair
Teacher, Elementary School.....	Josephine M. Doherty
Teacher, Elementary School.....	M. Elizabeth Evans
Teacher, Elementary School.....	Sarah J. Gunnison
Teacher, Elementary School.....	Eliza Hussey
Teacher, Elementary School.....	Annie B. Josselyn
Teacher, Elementary School.....	Evelyn J. Locke
Teacher, Elementary School.....	Anastasia R. Peters
Teacher, Elementary School.....	Mary A. Stephenson
Attendance Officer.....	Lucian S. Cabot

TEACHERS AND OFFICIALS PENSIONED FROM THE
STATE RETIREMENT FUND

Assistant Director of Art Education.....	Lucia N. Jennison
High School.....	Edith T. Bates
High School.....	Grace L. Deering
High School.....	Myra I. Ellis
High School.....	Alice D. Chamberlain
High School.....	Lillian C. Rogers
High School.....	Caroline A. Sawyer
High School.....	Martha R. Smith
Elementary School.....	Herbert H. Bates
Elementary School.....	Anna F. Bellows
Elementary School.....	Mabel M. Blake
Elementary School.....	Fannie P. Browning
Elementary School.....	Charlotte M. Chase
Elementary School.....	Maude A. Deehan
Elementary School.....	Emma A. Faulkner
Elementary School.....	Grace W. Fletcher
Elementary School.....	Genevieve S. Flint
Elementary School.....	Melinda Gates
Elementary School.....	Ella F. Gulliver
Elementary School.....	Louise W. Harris
Elementary School.....	Frances E. Higgins
Elementary School.....	Ellen J. Hunt
Elementary School.....	Mary A. Knowles
Elementary School.....	Mary F. Leland
Elementary School.....	Mary L. Lincoln
Elementary School.....	Eusebia A. Minard
Elementary School.....	Louise C. Patterson
Elementary School.....	Alice C. Phinney
Elementary School.....	Ellen J. Plympton
Elementary School.....	Mary A. Rady
Elementary School.....	Harriette E. Ryan
Elementary School.....	Carrie H. Stevens
Elementary School.....	Hattie A. Thayer
Elementary School.....	Elizabeth A. Tower
Elementary School.....	Mary E. Towle
Elementary School.....	Harriett Townsend
Elementary School.....	Mary A. Townsend
Elementary School.....	Mary E. Warren
Elementary School.....	Eliza D. Watson
Elementary School.....	Laura S. Westcott
Elementary School.....	Susan C. Wyeth

SALARY SCHEDULE

Cambridge High and Latin and Rindge Technical Schools

	Minimum	Increase per year	Number of Years	Maximum
Headmasters	\$4,100	\$200	3	\$4,700
Assistant Headmasters	3,650	150	3	4,100
Masters.....	2,850	150	6	3,750
Teachers (men).....	1,850	150	7	2,900
Teachers (women).....	1,534	120	6	2,254
*Deans.....	.....	...	...	.....
†Headmasters' Assistants .....	.....	...	...	.....
‡Masters' Assistants.....	.....	...	...	.....
Permanent Substitutes (men).....	1,536	...	...	.....
Permanent Substitutes (women)	1,248	.....	...	.....

Elementary Schools

Masters.....	\$2,950	\$150	6	\$3,850
Submasters.....	1,800	100	7	2,500
Masters' Assistant.....	1,908	100	2	2,108
Teachers, 8th Grade.....	1,338	100	6	1,938
Teachers.....	1,278	96	6	1,854
Principals, 9 rooms.....	2,176	120	2	2,416
Principals, 8 rooms or less.....	2,052	100	2	2,252

Kindergartens

Teachers.....	\$1,226	\$84	6	\$1,730
Assistant Teachers.....	1,190	84	5	1,610

Music and Art

Director.....	\$2,950	\$150	6	\$3,850
Assistants.....	1,800	100	6	2,400

Sewing

Teachers High.....	\$1,534	\$120	6	\$2,254
Teachers Elementary.....	1,262	96	6	1,838

*Deans are paid \$360 in addition to their regular teachers' salary.

†Headmasters' Assistants are paid \$360 in addition to their regular teachers' salary.

‡Masters' Assistants are paid \$200 in addition to their regular teachers' salary.

SALARY SCHEDULE — Concluded
Physical Education

	Minimum	Increase per Year	Number of Years	Maximum
Director	\$2,950	\$150	6	\$3,850
Assistant Director (men)	2,252	150	6	3,152
Assistant Director (women)	1,800	100	6	2,400
Teachers	1,362	96	6	1,938

Cooking

Teachers	\$1,274	\$96	6	\$1,850
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Prevocational

Teachers (women)	\$1,446	\$100	6	\$2,046
Teachers (men)	1,600	150	5	2,350

Special Classes

Principal (Open Air)	\$2,000	\$100	3	\$2,300
Teachers	1,394	100	6	1,994

Continuation School

Principal	\$2,780	\$120	6	\$3,500
Teachers (men)	1,600	150	5	2,350
Teachers (women)	1,450	100	6	2,050

Attendance Officers

Each	\$1,800	\$150	5	\$2,300
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NOTE. — Teachers entering the service of the Cambridge Public Schools for the first time, with outside experience, shall be given credit on the salary schedule by the following rule:

Three years of experience outside of the city will be considered as equivalent to one year of experience in the city, but in no case shall a teacher be credited with more than five years of experience.

EVENING SCHOOLS

Evening High School

Per Evening

<i>Masters:</i> Minimum.....	\$6 00
Maximum.....	7 00
<i>Teachers:</i> Minimum.....	3 00
To teachers during the first year of service in evening schools.	
Maximum.....	4 00
To teachers of five or more years' experience in day schools; to teachers of less than five years' experience in day schools after one year of service in evening schools, and to teachers without day school experience after two years of service in evening schools.	
<i>Secretary</i>	3 00
<i>Clerk</i>	2 00

Rindge Evening Industrial School

<i>Master:</i> Minimum.....	6 00
Maximum.....	7 00
<i>Teachers:</i> Minimum.....	3 50
Maximum.....	4 50
<i>Secretary</i>	3 00

Elementary Schools

<i>Principals</i>	5 00
<i>Teachers:</i> Minimum.....	2 50
To teachers during the first year of service in evening schools.	
Maximum.....	3 00
To teachers of five or more years' experience in day schools; to teachers of less than five years' experience in day schools after one year of service in evening schools, and to teachers without day school experience after two years of service in evening schools.	
<i>Clerks</i>	2 00

Evening Trade School

<i>Principal:</i> Minimum.....	5 00
Maximum.....	6 00
<i>Teachers:</i> Minimum.....	3 00
Maximum.....	4 00
<i>Secretary</i>	3 00

REVISED BUDGET

MAY 31, 1932

The budget adopted for 1932 is attached to this report and will show the efforts of the School Committee of 1932 to meet the existing conditions.

AMOUNT AVAILABLE FOR 1932

From Tax Levy (\$9.00 per \$1,000)	\$1,778,611 28
From Income Tax Returns, 17.372 per cent of \$455,490.55	79,127 81
From Massachusetts School Fund Returns (estimate)	130,000 00
Revenue (estimate)	40,000 00
	\$2,027,739 09

ADMINISTRATION SALARIES

Superintendent	\$7,700 00
Assistant Superintendent	5,000 00
Supervisor Primary Schools	2,800 00
Supervisor Kindergartens	2,800 00
Art	3,850 00
Music	3,850 00
Physical Education	3,850 00
Business Agent	3,750 00
Assistant Business Agent	2,500 00
Superintendent Buildings and Grounds	3,150 00
Secretary School Committee (\$33 per week)	1,727 00
Secretary, Superintendent (\$40 per week, \$45 in October)	2,148 00
Clerk, Superintendent (\$33 per week)	1,727 00
Clerk, Buildings and Grounds (\$30 per week)	1,570 00
Clerk, 2 Business Offices (\$33 per week)	3,454 00
Clerk, 1 Business Office (\$29 per week, \$32 in September)	1,556 00
Clerk, 1 Certificate (\$29 per week, \$32 March 25)	1,638 00
Telephone Operator (\$33 per week)	1,727 00
Storekeeper	1,664 00
Assistant Storekeeper (\$30 per week)	1,570 00
Supervisors of Attendance, 6 at \$2,300	13,800 00
Supervisors of Attendance, 1	2,062 50
Supervisors of Attendance, 1	1,912 50
Secretary, Committee Buildings and Grounds	100 00
	\$75,906 00

TEACHERS' SALARIES

	Expended 1931, 9 Months	
High and Latin	\$236,410 79	\$325,464 33
New Appointments		4,619 00
Rindge	121,397 65	168,758 56
New Appointments		4,936 00
Elementary	520,530 43	710,430 50
New Appointments		1,876 00
Kindergartens	46,567 74	64,988 00
Open Air	8,811 29	12,120 00
Additional Teacher		871 50
Pre-vocational	32,437 79	43,117 00
Museum	3,360 00	4,480 00
Vision	2,691 00	3,663 00
Opportunity Class	2,324 60	3,300 00
Art Teachers	1,800 00	2,400 00
Music	6,056 46	10,902 00
Band Instructor		400 00
Sewing	15,014 34	16,014 00
Physical Education	16,646 70	20,988 50
New Appointment		454 00
Cooking	1,387 50	1,850 00
New Appointments		850 00
Stammerers	1,495 50	1,994 00
Lip Reading	1,495 50	1,994 00
Continuation	11,279 20	14,950 00
Home Teachers	426 00	1,350 00
New Appointments		1,278 00
Americanization (Director)	1,872 00	2,496 00
Test and Measurements	350 00	500 00
		\$1,427,044 39

ATHLETICS

High and Rindge:		
2 Faculty Managers (\$600 per year)	\$1,200 00	
2 Baseball Coaches (\$500 per year)	1,000 00	
2 Football Coaches (\$600 per year)	1,200 00	
2 Assistant Football (\$300 per year)	600 00	
2 Hockey (\$400 per year)	800 00	
2 Track (\$400 per year)	800 00	
2 Basket Ball (\$400 per year)	800 00	
2 Physicians (\$400 per year)	800 00	
Elementary Schools:		
1 Physician	400 00	
Basket Ball Umpires	1,218 00	
		\$8,818 00

	Expended 1931, 9 Months	
Americanization.....	\$2,201 50	\$4,400 00
Harvard Session.....	351 00	651 60
Teachers' Examinations.....	245 00	800 00
Vacation High.....	8,820 00	
Day Camps:		
Central.....	4,979 00	
Fresh Pond.....	3,929 00	
Houghton.....	4,474 00	
St. Mary's.....	4,474 00	
Thorndike.....	6,514 00	
Wyman.....	4,914 00	
Evening Schools.....	11,670 19	13,004 50
Substitutes:		
High.....	7,735 00	
Rindge.....	5,515 00	
Elementary.....	18,265 00	
Kindergarten.....	2,383 00	
Library.....	1,426 00	
Physical Education.....	2,101 00	
Museum.....	482 00	
Home Teachers.....	2,134 00	
Cooking.....	780 00	
Sewing.....	96 00	
Central Trade.....	285 00	
Industrial.....	340 00	
	\$41,542 00	65,080 00
		\$1,519,798 49

JANITORS' SALARIES

High and Latin.....	1 Janitor	\$3,644 50
	1 Janitor	2,624 88
	1 Cleaner (\$30 per week)	1,568 00
	1 Engineer (\$46 per week)	2,405 14
	1 Assistant Janitor (\$38 per week)	1,986 86
Agassiz.....	1 Janitor	2,029 41
Ellis.....	1 Janitor	2,364 91
Felton.....	1 Janitor (\$36 per week)	1,880 86
Fletcher.....	1 Janitor	2,451 93
Gannett.....	1 Janitor (\$30.50 per week)	1,594 71
Haggerty.....	1 Janitor	2,052 21
Harvard.....	1 Janitor	2,230 60
Houghton.....	1 Janitor (\$50.03 per week)	2,615 85
	1 Assistant Janitor (\$38 per week)	1,986 86

Kelley.....	1 Janitor	\$2,902 12
Lowell.....	1 Janitor (\$30 per week)	1,568 57
Morse.....	1 Janitor	2,704 98
Peabody.....	1 Janitor	2,533 80
Putnam.....	1 Janitor	2,157 97
Roberts.....	1 Janitor	3,141 58
	1 Assistant Janitor (\$38 per week)	1,986 86
Russell.....	1 Janitor (\$48.88 per week)	2,555 73
	1 Assistant Janitor (\$38 per week)	1,986 86
Sleeper.....	1 Janitor (\$33 per week)	1,725 43
Taylor.....	1 Janitor	2,729 51
Thorndike.....	1 Janitor	2,533 37
	1 Assistant Janitor (\$38 per week)	1,986 86
Webster.....	1 Janitor (\$47.16 per week)	2,465 79
	1 Assistant Janitor (\$38 per week)	1,986 86
Wellington.....	1 Janitor (\$51.91 per week)	2,711 15
	1 Assistant Janitor (\$38 per week)	1,986 86
Willard.....	1 Janitor	1,966 85
Wyman.....	1 Janitor (\$31 per week)	1,620 86
Utility Man.....	(\$45 per week)	2,352 86
Rindge.....	1 Janitor	2,457 76
	1 Janitor	2,043 52
	1 Janitor (\$31 per week)	1,620 86
	1 Assistant Janitor (\$38 per week)	1,986 86
	1 Engineer (\$48 per week)	2,509 71
Spare Janitors.....	3 Janitors (\$35 per week)	5,490 00
	1 Janitor (\$30 per week)	1,568 57
	1 Janitor (\$25 per week)	1,307 14
Gardener.....	One (\$30 per week)	1,568 57
Watchman.....	One	1,600 00
Lincoln.....	1 Janitor (\$35 per week)	1,830 00
	1 Assistant Janitor (\$30 per week)	1,568 57
Longfellow.....	1 Janitor (\$50.66 per week)	2,634 32
	1 Assistant Janitor (\$38 per week)	1,986 86
		\$107,214 33
Matrons.....	10 Special Matrons (\$1,100 per year)	11,000 00
	13 Matrons (\$1,040 per year)	13,520 00
	11 Lunch Room (\$1,040 per year)	11,440 00
	2 Temporary, to June 10 (\$20 per week)	720 00
	1 Clerk (\$25 per week)	1,308 33
		\$145,282 66
Extra Service:	Expended 1931, 9 Months	
Parent-Teachers' Nights.....	\$429 00	.....
Americanization.....	454 00	\$236 00
Basket Ball.....	258 00	300 00

	Expended 1931, 9 Months	
Boy Scout meetings.....	\$108 00	\$75 00
Armenian classes.....	42 00	150 00
Museum.....	258 00	375 00
Other meetings.....	715 00	500 00
Vacation High.....	375 00	.....
Vacation Camps.....	6,027 20	.....
Evening schools.....	1,224 75	1,304 50
		\$148,223 16
Less amount using present force at Lincoln and Longfellow		5,000 00
		\$143,223 16

GENERAL EXPENSES

	Expended 1931, 9 Months	
Postage.....	\$282 00	\$300 00
Printing.....	2,042 26	2,000 00
Travel, Superintendent and Assistant	51 08	200 00
Employees.....	173 60	81 00
Office supplies.....	1,487 42	1,500 00
Furniture.....	436 50	.....
Safety vault.....	80 00	40 00
Committee expenses.....	457 50	300 00
Telephone, board.....	2,901 30	3,364 00
Superintendent, special.....	59 29	29 97
Superintendent, home.....	36 83	23 29
Superintendent, buildings.....	60 28	42 00
Utility man.....	22 63	30 00
Automobile, Superintendent:		
Storage.....	135 00	159 00
Repairs.....	87 82	50 00
Gas and oil.....	203 10	150 00
Upkeep.....	161 10	100 00
New car (1931).....	2,121 00	.....
Registration.....	5 50	5 50
Automobile, Buildings and Grounds:		
New car.....	.....	586 24
Storage.....	81 00	144 00
Gas.....	169 82	125 00
Registration.....	4 50	6 50
Upkeep.....	81 00	50 00
Repairs.....	127 34	50 00
Car tickets.....	1,000 00	1,000 00
Miscellaneous.....	159 53	.....
		\$10,336 50

Expended 1931,
9 Months

Textbooks	\$31,262 02	\$15,000 00
Supplies: Vacation schools	9,754 26	.....
Museum	962 08	.....
General	47,729 41	40,000 00
Continuation	978 60	700 00
Lunch Room supplies	17,634 27	25,000 00
Athletic clothing	2,745 76	3,000 00
Tuition to other cities	8,084 10	11,000 00
Transportation of pupils	1,294 00	1,500 00
Care of truants . . . . .	.....	104 00
Fuel	13,409 33	20,000 00
Gas and electricity	11,546 80	11,000 00
Repairs	66,237 96	25,000 00
Furniture and furnishings	6,929 33	1,500 00
Janitor supplies	4,248 01	3,000 00
Minors' licenses	42 75	50 00
Pensions	3,474 75	4,733 00

OTHER EXPENSES

Expended 1931,
9 Months

Graduation expenses	\$1,293 73	\$1,300 00
Care of pianos	94 00	100 00
Expressage and teaming	3,384 10	2,000 00
Teaming for museum	750 51	1,000 00
Police service	250 00	.....
Laundry	314 92	400 00
St. Mary's Gym	4,500 00	6,000 00
Insurance (boiler)	66 75	.....
Miscellaneous	381 54	300 00
	\$11,035 55	\$11,100 00

SUMMARY

Expended 1931, Appropriated 1932,
12 Months 12 Months

Administration salaries	\$73,481 31	\$75,906 00
Teachers' salaries	1,504,505 71	1,519,798 49
Janitors' salaries	147,868 60	143,223 16
General expenses	17,962 08	10,336 50
Textbooks	37,138 55	15,000 00

	Expended 1931, 12 Months	Appropriated 1932, 12 Months
Supplies	\$81,082 14	\$40,000 00
Continuation . . . . .	.....	700 00
Lunch Room supplies	33,821 74	25,000 00
Athletic clothing	3,856 81	3,000 00
Tuition to other cities	10,227 02	11,000 00
Transportation of pupils	1,886 00	1,500 00
Care of truants . . . . .	.....	104 00
Fuel	22,758 61	20,000 00
Gas and electricity	16,979 34	11,000 00
Repairs	83,789 72	25,000 00
Furniture and furnishings	8,737 74	1,500 00
Janitors' supplies	4,656 62	3,000 00
Other expenses	16,866 49	11,100 00
Minors' licenses, refunds	51 75	50 00
Pensions	5,469 26	4,733 00
Library	996 18	.....
	\$2,072,135 67	\$1,921,951 15

OFFICERS OF THE BOARD

Superintendent of Schools

MICHAEL E. FITZGERALD 30 Bellevue Avenue

Assistant Superintendent and Director of Continuation Schools

JAMES DUGAN 32 Blake Street

Supervisor of Primary Schools

KATHARINE L. McELROY 31 Gray Street

Supervisor of Kindergartens

ALICE V. McINTIRE 83 Brattle Street

Agent of the School Committee

CONSTANTINE J. CHURCH 87 Fayerweather Street

Secretary of School Committee

HELEN R. BROSNAHAN 28 Dover Street

OFFICES AT CITY HALL

Offices open from 8 o'clock A.M. to 4 o'clock P.M. every day excepting Saturday. Saturday from 8 o'clock A.M. to 12 o'clock M.

SCHOOL CALENDAR

1931-1932

The first term — From September 14 to December 23.

The second term — From January 4 to February 19.

The third term — From February 29 to April 22.

The fourth term — From May 2 to June 22.

1932-1933

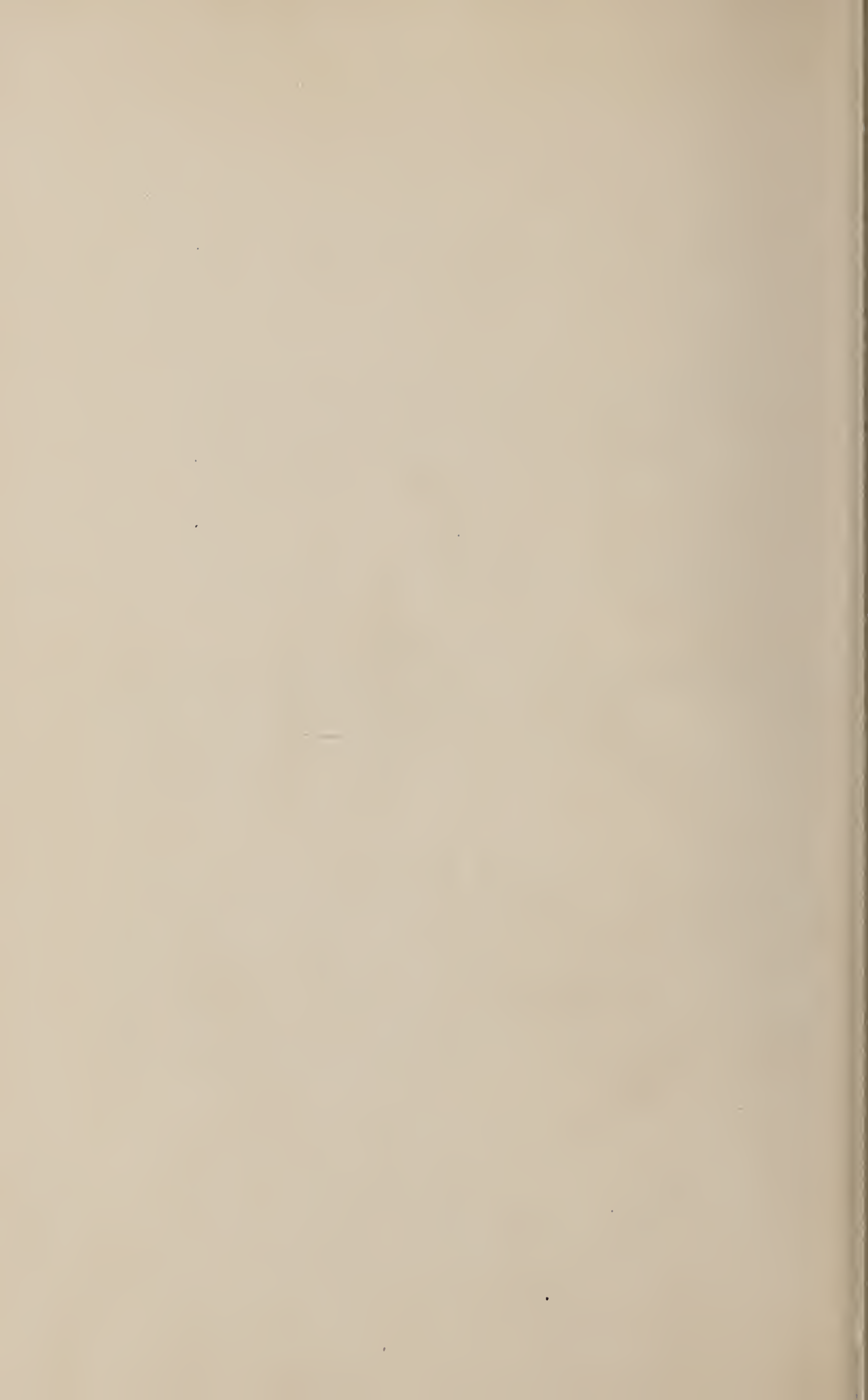
The first term — From September 12 to December 23.

SCHOOL HOLIDAYS

Columbus Day; Armistice Day; Thanksgiving Day, the day preceding and the day following; Washington's Birthday; Good Friday; Patriots' Day; Memorial Day; and the Seventeenth of June. If one of these holidays falls on Thursday or Sunday, the schools are closed on the day following.

EVENING SCHOOLS

There are two terms of the evening schools. The first term begins on the second Tuesday of October and closes one week previous to the closing of the day schools for the Christmas holidays. The second term begins on the first Tuesday of January, except when the day falls on New Year's Day, in which case it begins on the Monday following New Year's Day, and continues for at least twenty-five evenings. Vacations and holidays are the same as in the day schools.



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